

Epson Mobile Cart for Epson Ultra Short Throw Projectors - Assembly Guide

470/475W/475Wi/480/480i/485W/485Wi



Epson_CART_2012_A

This Assembly Guide provides instructions to build the Epson Mobile Cart for Epson Ultra Short Throw Projectors.

For assistance, please contact us:

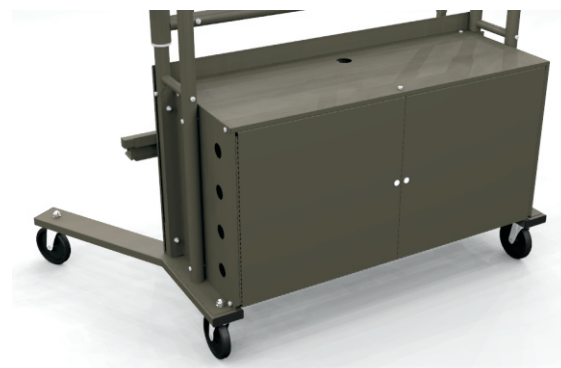
1-800-267-8494

Email info@copernicused.com

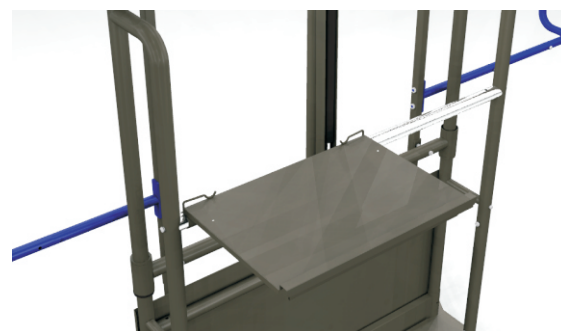
Have your packing slip ready for reference



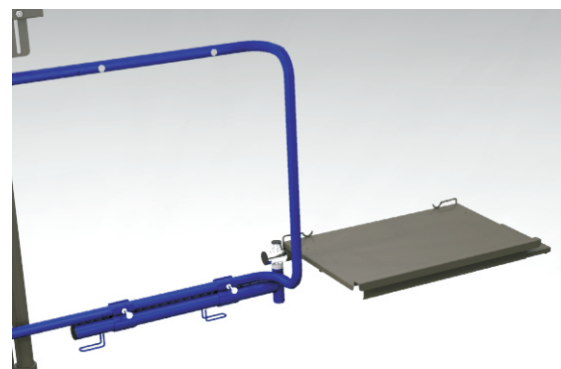
Base Frame
(CEPCART1 or 2)



Optional Lock Box (CEPCART3)



Optional Rear Laptop & Keyboard Tray (CEPCART4)



Optional Side Laptop (CEPCART5)

Check out some of our other great products!



Need Tech Support? Have a Question?



Email our Tech Support Service



Please Recycle

PLEASE KEEP THIS GUIDE WITH THE PRODUCT

**Epson_CART_2012_A**

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1-800-267-8494

Email info@copernicused.com

Have your packing slip ready for reference

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Validate Your Warranty

To validate your three year frame warranty, submit the ON-LINE form at www.copernicused.com
Enter a drawing to win a Copernicus Product for your classroom at the same time!

Tips for Assembly

Watch for These Helpful Symbols

This symbol denotes a 2- or 3- Person Task. For safety, please ensure that there are the suggested number of people working on steps displaying this symbol.



2-Person Task



3-Person Task

Watch for this symbol throughout the Assembly Guide. Wherever you see it, pay close attention. The symbol denotes a step needing extra attention to ensure it is done correctly.



The star symbol highlights an advisory note.



Before You Begin

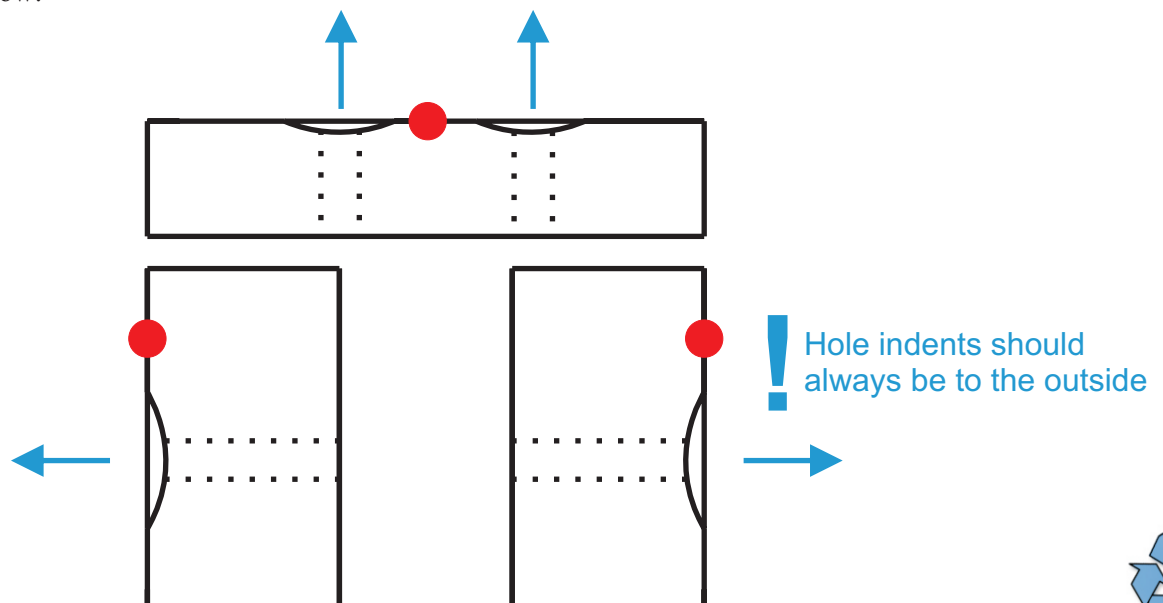
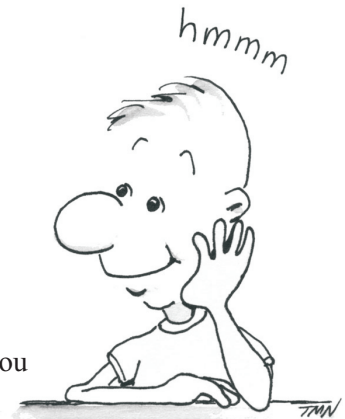
- Lay out and identify all of the included parts.
- The hardware has been packed according to step.
- Read the assembly guide over once to familiarize yourself with them.



! Please note that in its unassembled state, this product contains parts that can be hazardous to small children. This product should be assembled by an adult.

As You Assemble the Unit

- Follow the steps in sequence.
- Before beginning each step, find the part(s) that you need for that step.
- Pay attention to the labels on the parts; they are there to help direct you at certain stages.
- The title of each step states what you will be doing. Review the text and the pictures as you build the unit.
- Some holes have indented the tubing. These holes are marked with a red dot sticker. Anywhere there is an indent or red dot sticker, it should face towards the outside of the unit. See image below:



Customer Service - FAQ's



For missing parts and other issues regarding the frame:

- The height adjust system is not working.
- The gas cylinders are not working properly.
- I lost the key to my lock box.

*Please call Copernicus Customer Service, where we will be happy to help.
1-800-267-8494. Monday - Friday 8:00am - 4:30 pm EST.*

My interactive board isn't working, who should I call?

Please call the reseller that you bought the product from first (reseller information can be found on your packing slip).

My projector isn't working, who should I call?

*Please call the reseller that you bought the product from first (reseller information can be found on your packing slip), OR please call Epson Customer Service at:
United States 562-276-4394 or Canada 905-709-3839.*

Need Tech Support? Have a Question?



*Email our Tech
Support Service*

Dear Educator,

Thank you for purchasing one of our products.

I hope the assembly of your Epson Mobile Cart went well.

If you have any questions, or concerns, or ideas for how we can improve, please call us at 1-800-267-8494, where someone will be happy to help.

Enjoy using your new product, and happy teaching,

Jim Phillips
President

Quality schools are the
result of quality teachers
going above and beyond
the call of duty.

VICKI CARUANA

A liberal education is at
the heart of a civil society,
and at the heart of a
liberal education is the act
of teaching.

A. BARTLETT GIAMATTI

My idea of education is
to unsettle the minds of
the young and inflame
their intellects.

ROBERT MAYNARD
HUTCHINS

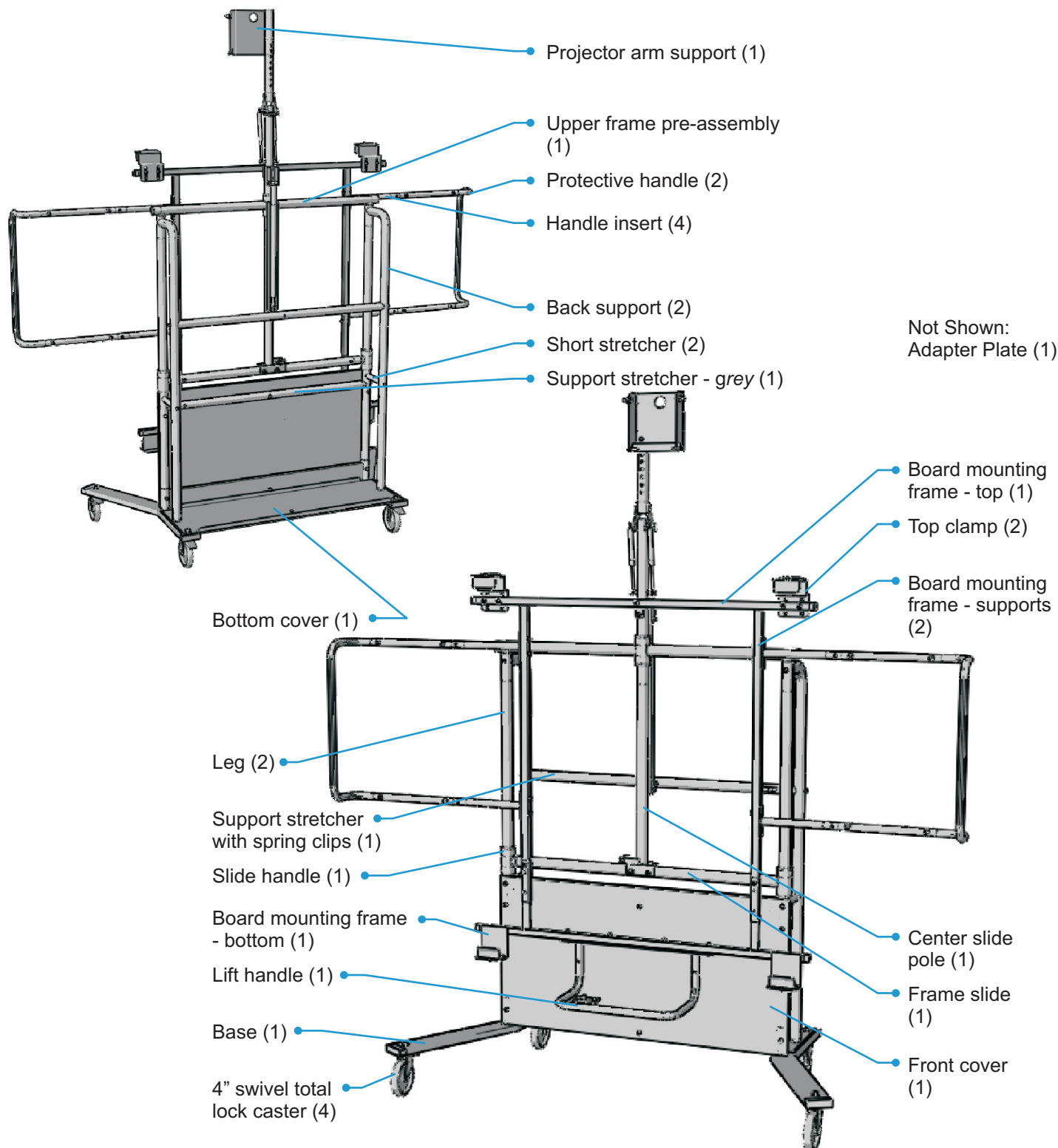
Develop a passion for
learning. If you do, you
will never cease to grow.

ANTHONY J. D'ANGELO



**WARNING**

Please note that in its unassembled state, this product contains parts that can be hazardous to small children. This product should be assembled by an adult.

Base Frame (CEPCART1 or 2)



WARNING

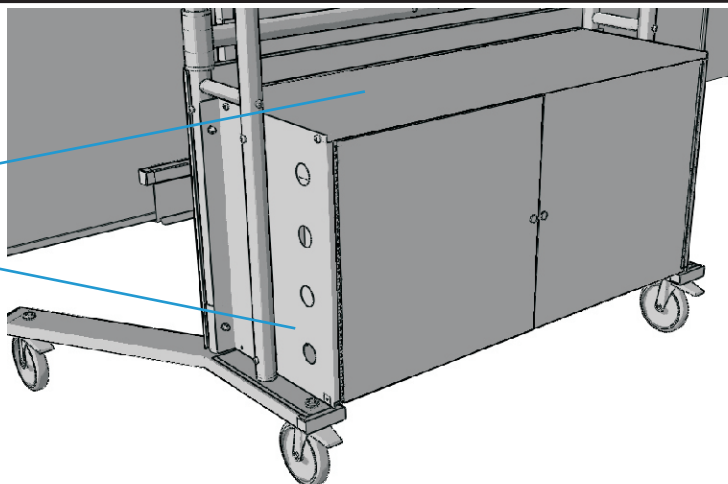
Please note that in its unassembled state, this product contains parts that can be hazardous to small children. This product should be assembled by an adult.

Optional Lock Box

(CEPCART3)

Lock box top
(1)

Lock box side
with door
(2)
1 left, 1 right

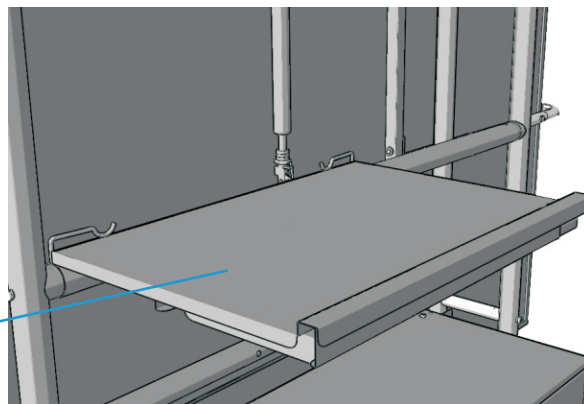


OR

Optional Rear Laptop Arm & Keyboard Tray

(CEPCART4)

Laptop tray
(1)



OR

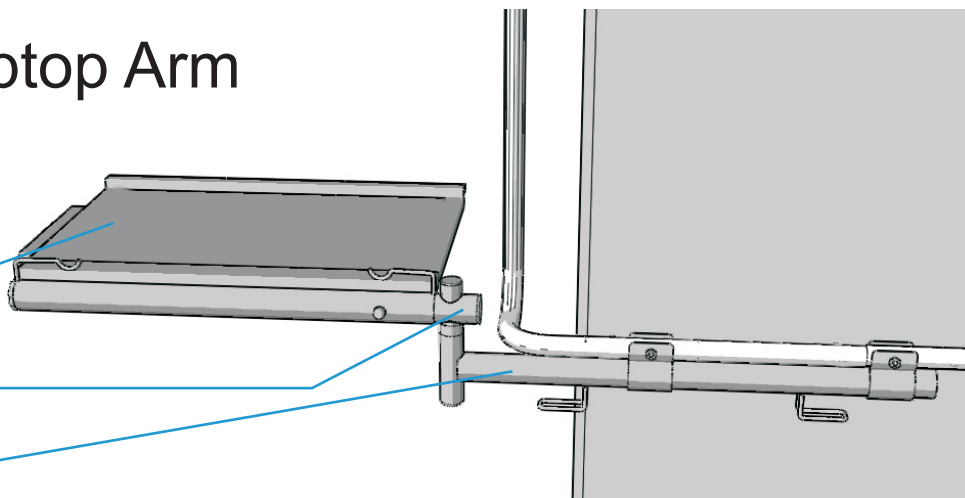
Optional Side Laptop Arm

(CEPCART5)

Laptop tray
(1)

Laptop rotation
arm (1)

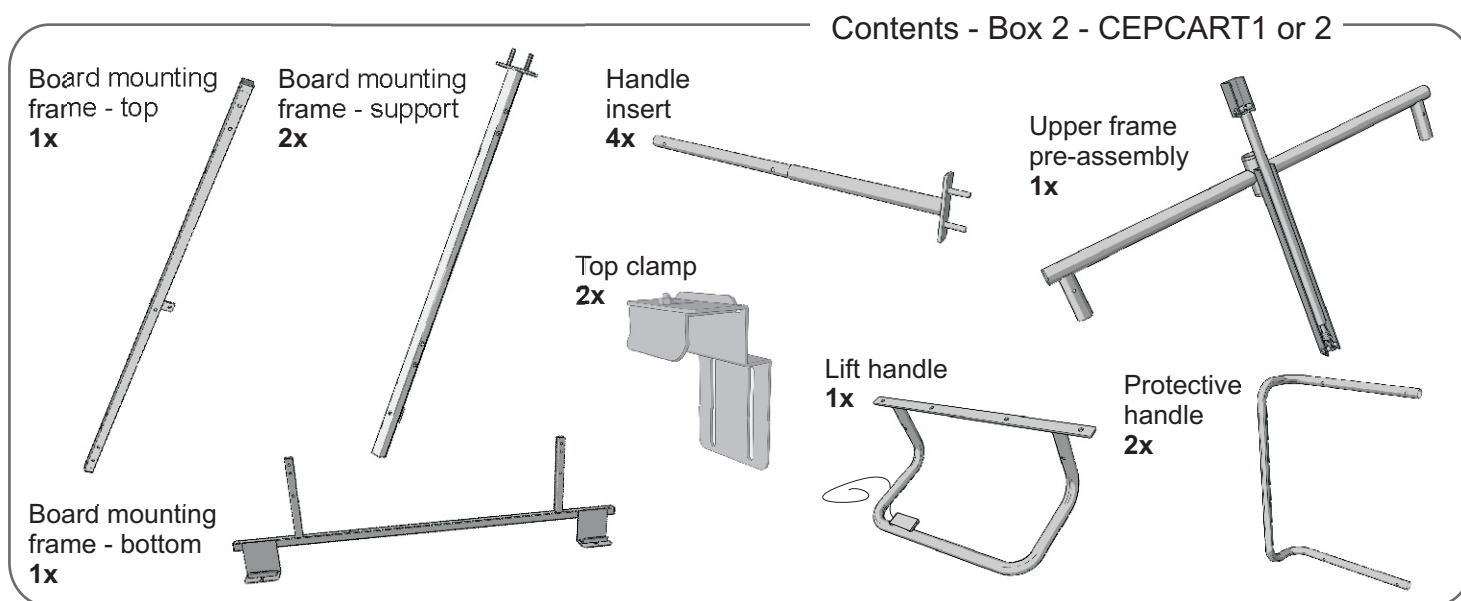
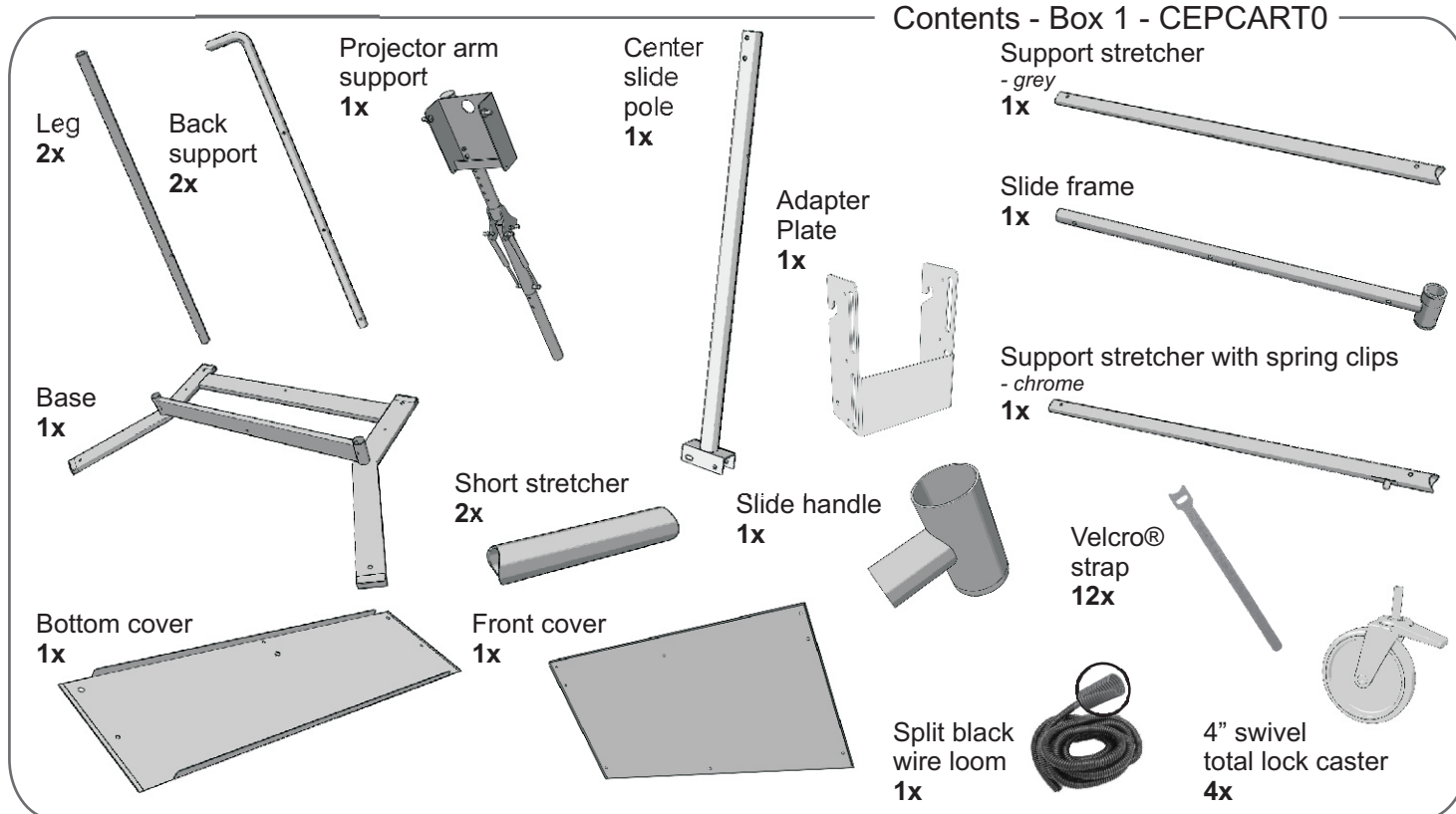
Laptop extension
arm (1)



Epson Mobile Cart - Base Frame

Before beginning, you should have:

Hardware on following page.



Additional Tools Required

Wrenches (2 of Each): 10mm, 13mm, 17mm, 19mm
OR Two adjustable wrenches



Rubber mallet



Before beginning, you should have:

Hardware - Box 1



A M6 x 30mm bolt
1x



B M6 x 50mm bolt
11x



C Partially threaded M10 x 55mm bolt
2x



D M6 x 45mm bolt
1x



E Partially threaded M8 x 65mm bolt
1x



F Partially threaded M8 x 95mm bolt
1x



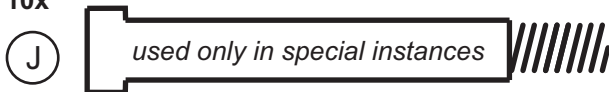
G M6 x 90mm bolt
2x



H Partially threaded M8 x 35mm bolt
8x



I M6 x 19mm Bolt
10x



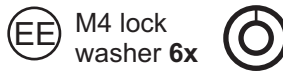
J M8 x 50mm Shoulder Bolt
1x



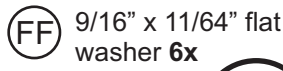
K Partially threaded M8 x 50mm bolt
4x



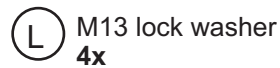
DD M4 x 16mm bolt
6x



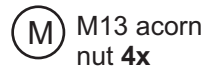
EE M4 lock washer
6x



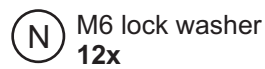
FF 9/16" x 11/64" flat washer
6x



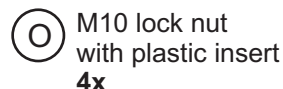
L M13 lock washer
4x



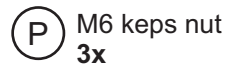
M M13 acorn nut
4x



N M6 lock washer
12x



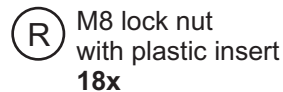
O M10 lock nut with plastic insert
4x



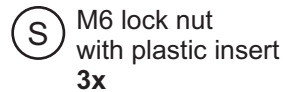
P M6 keps nut
3x



Q Small spacer
1x



R M8 lock nut with plastic insert
18x



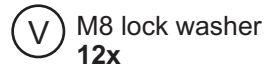
S M6 lock nut with plastic insert
3x



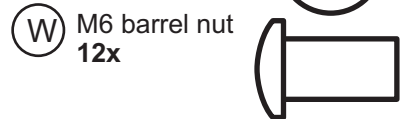
T Large spacer
4x



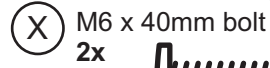
U M8 flat washer
16x



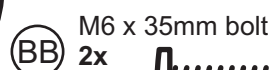
V M8 lock washer
12x



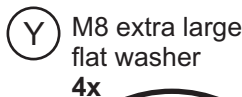
W M6 barrel nut
12x



X M6 x 40mm bolt
2x



BB M6 x 35mm bolt
2x

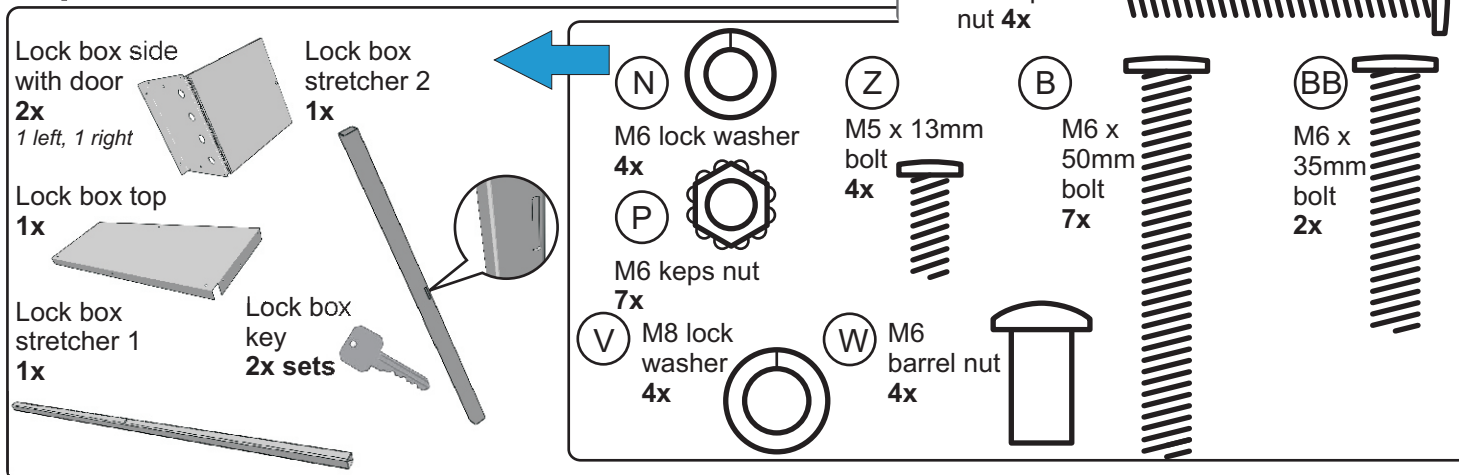


Y M8 extra large flat washer
4x

In Box 1

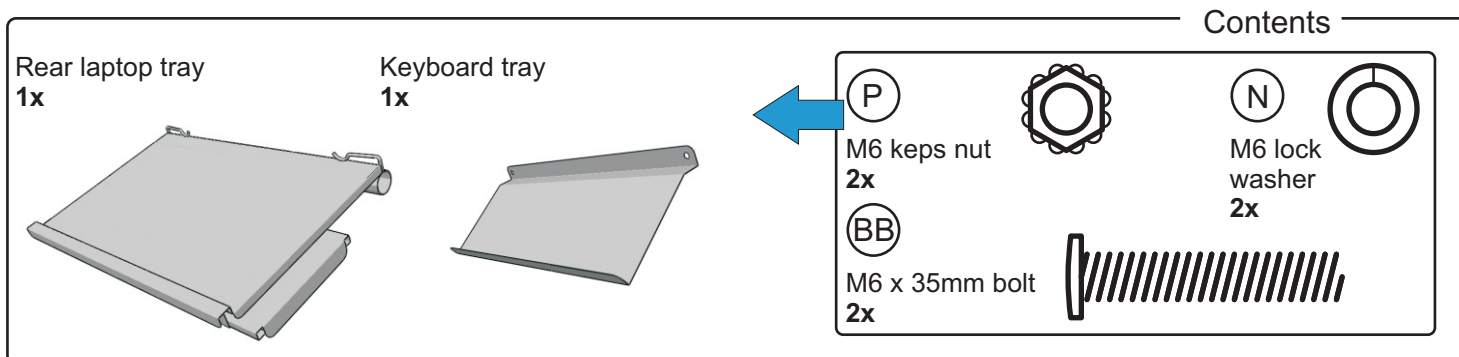
Before beginning, you should have:

Optional Lock Box (CEPCART3)



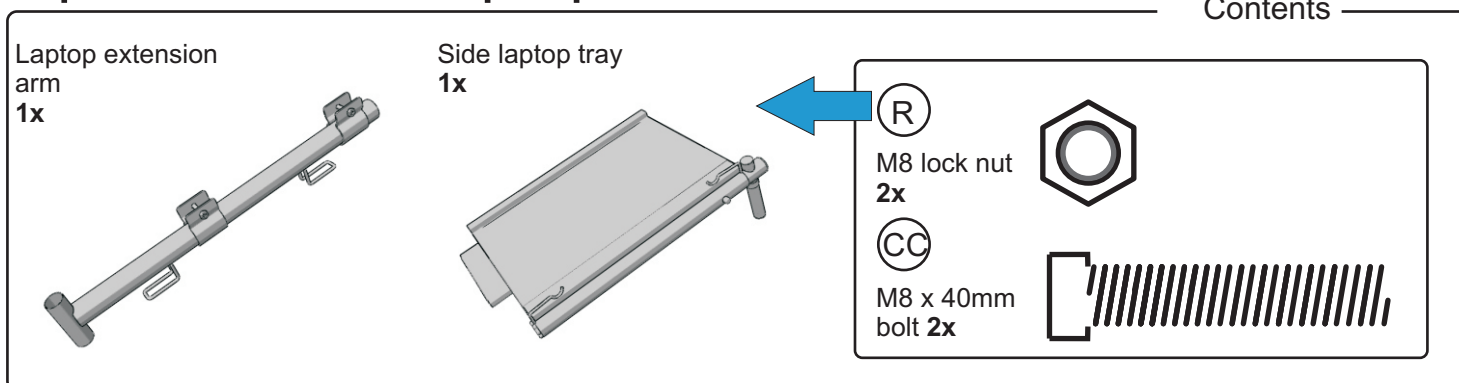
OR

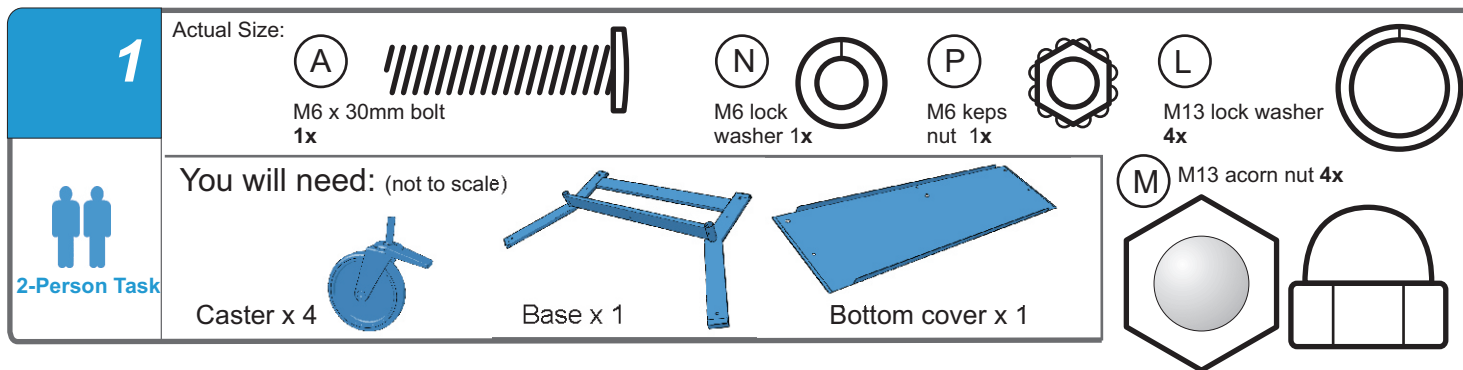
Optional Rear Laptop Arm & Keyboard Tray (CEPCART4)



OR

Optional Side Laptop Arm (CEPCART5)





★ **Do not tighten any fasteners, unless instructed.**
This will help with the assembly of your unit.

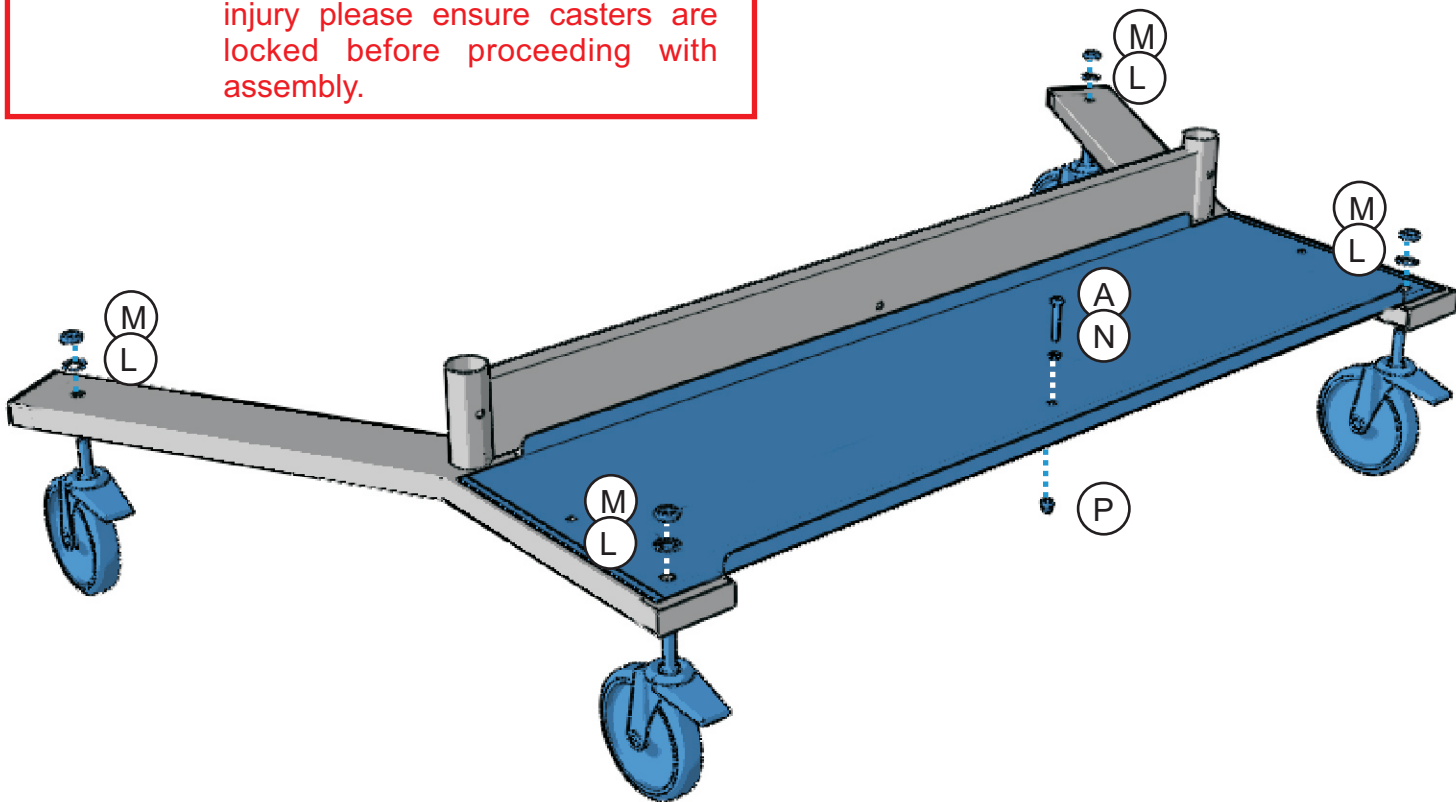
Install Casters & Bottom Cover

Lock casters first.



WARNING

Be careful not to pinch your fingers when locking the casters. To avoid property damage or bodily injury please ensure casters are locked before proceeding with assembly.



2

(K)

Partially threaded M8 x 50mm bolt 2x



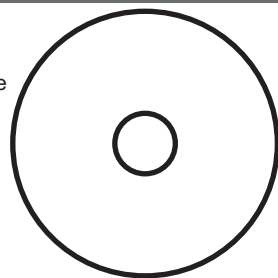
(V)

M8 lock washer 2x



(Y)

M8 extra large flat washer 2x



You will need: (not to scale)



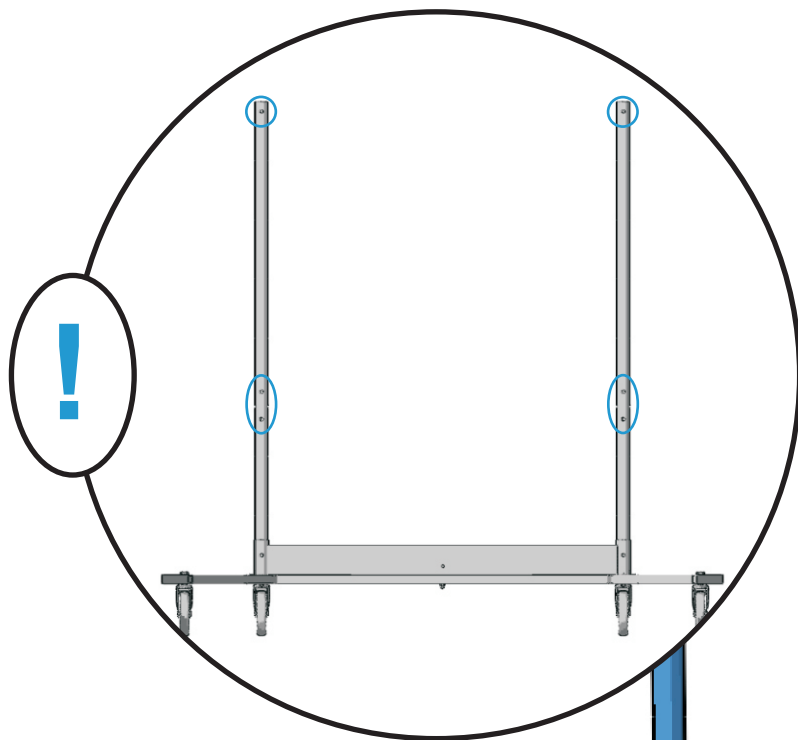
Leg x 2



CAUTION

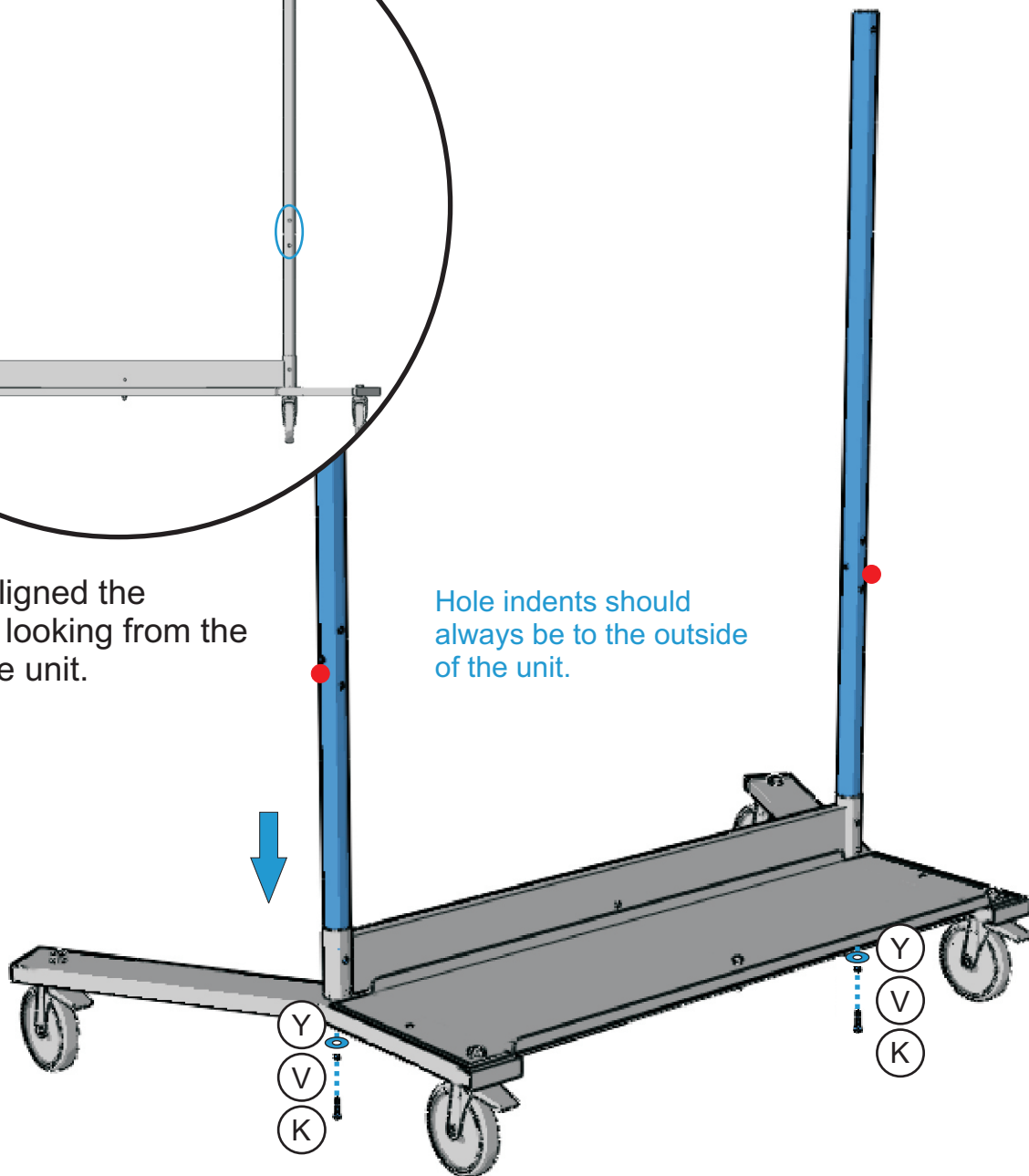
Maximum recommended weight on bottom shelf - 50 lbs.

Attach Legs to Base



Ensure legs are aligned the correct way when looking from the front or back of the unit.

Hole indents should always be to the outside of the unit.



3

Actual Size:

(B)

M6 x 50mm bolt
2x

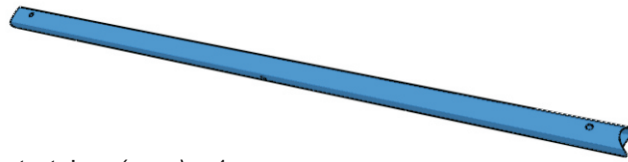


(N)

M6 lock washer
2x



You will need: (not to scale)



Support stretcher (grey) x 1

Install Support Stretcher



4

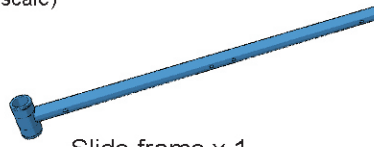


2-Person Task

You will need: (not to scale)

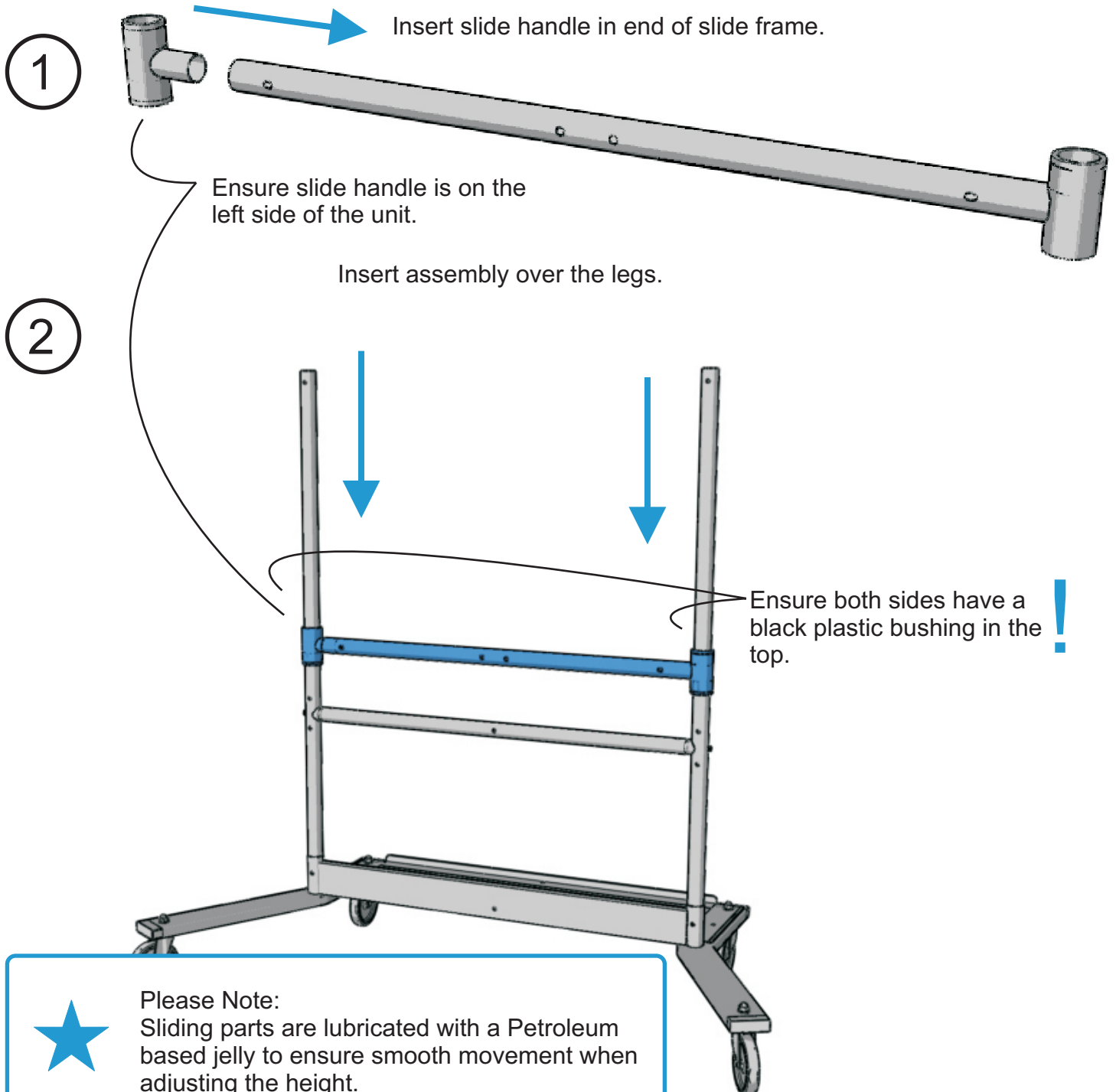


Slide handle x 1



Slide frame x 1

Install Slide Frame & Slide Handle

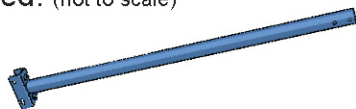


5

Actual Size:

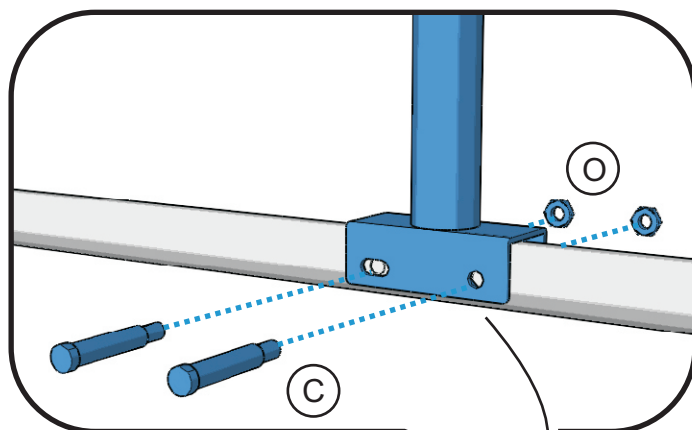
Partially threaded
M10 x 55mm bolt
2xM10 lock nut
2x

You will need: (not to scale)



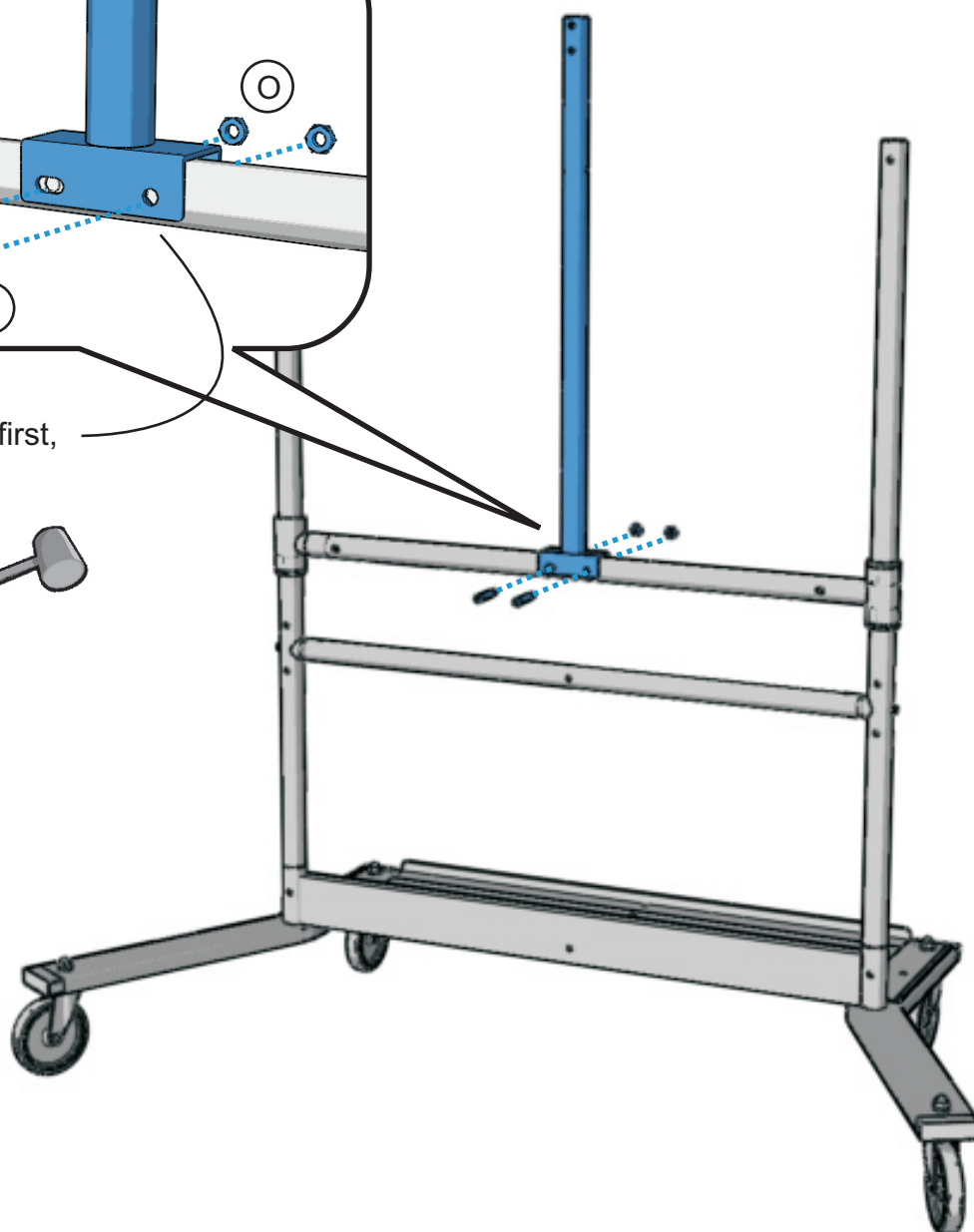
Center slide pole x 1

Install Center Slide Pole



Install bolt in circular hole first,
and then in oblong hole.

Tap in with rubber mallet
if necessary.



6

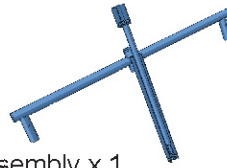


Bolt from Extra hardware bag 1x



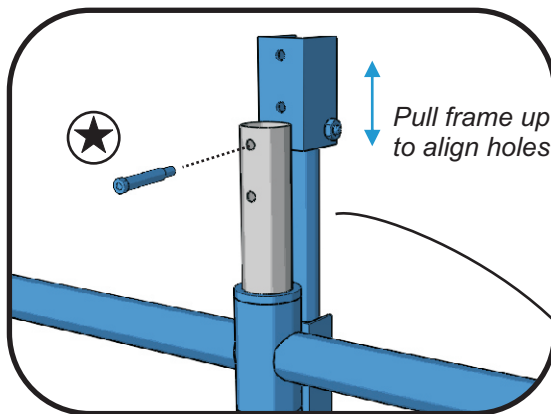
2-Person Task

You will need: (not to scale)



Upper frame pre-assembly x 1

Install Upper Frame



Insert upper frame into the legs, ensuring that the center slides over the center slide pole.

Tap in with rubber mallet if necessary.

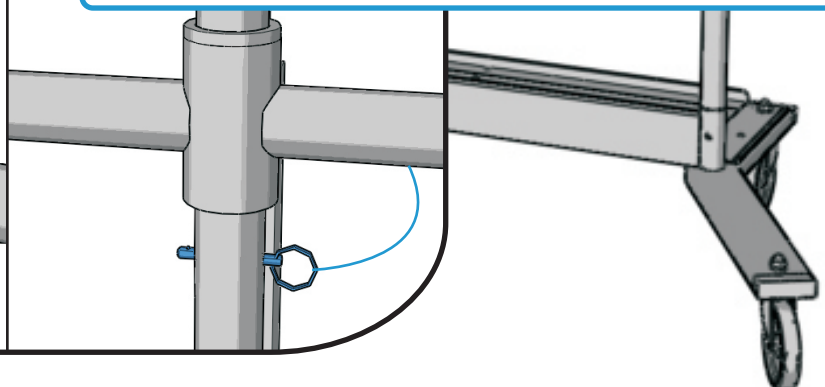
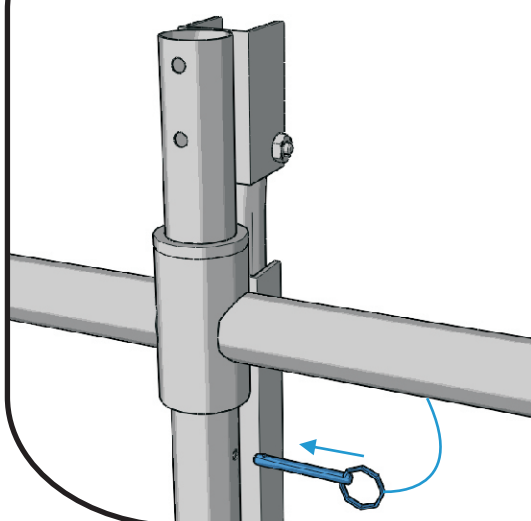
Use a spare bolt or Velcro® Strap (included) to secure the upper frame to the center slide pole until the top is fastened.

Insert detent pin (attached to upper frame) in hole.



Please Note:

Sliding parts are lubricated with a Petroleum based jelly to ensure smooth movement when adjusting the height.



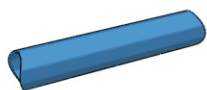
7A

(B) M6 x 50mm bolt 3x

(D) M6 x 45mm bolt 3x

(X) M6 x 40mm bolt 2x

You will need: (not to scale)



Short stretcher x 2



Front cover x 1

(V) M8 lock washer 4x

(W) M6 barrel nut 4x

(BB) M6 x 35mm bolt 2x

(Q) Small spacer 1x front side

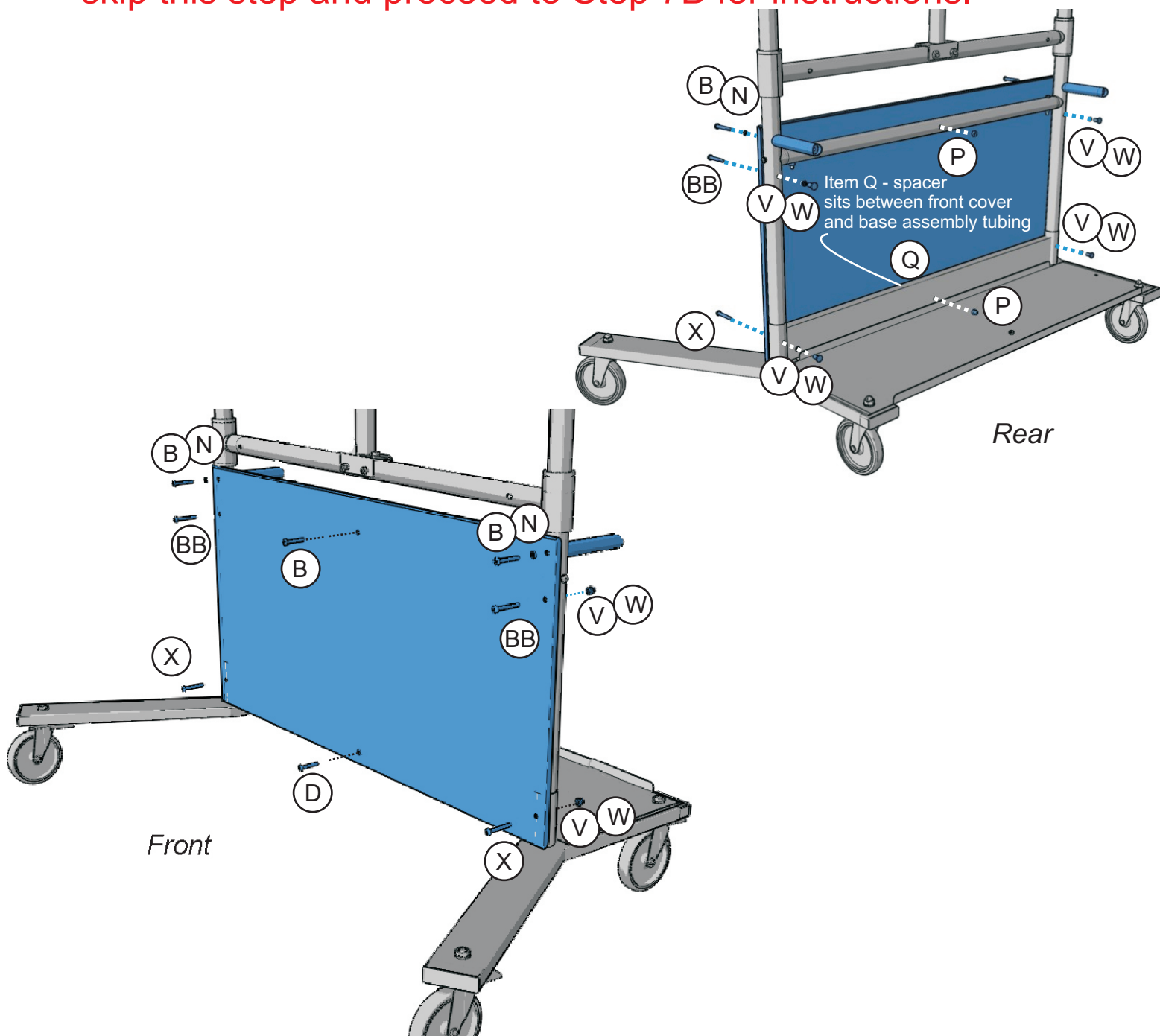
(N) M6 lock washer 2x

(P) M6 keps nut 2x



Install Front Cover & Short Stretchers

If you plan to install the optional Lock Box, skip this step and proceed to Step 7B for instructions.



7B

Actual Size: **(B)**

M6 x 50mm
bolt 2x



(N)

M6 lock
washer 2x



(P)

M6 keps
nut 1x



(Q)

Small
spacer 1x



(D)

M6 x 45mm
bolt 1x



(Q)

Small
spacer 1x



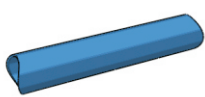
front



side



You will need: (not to scale)



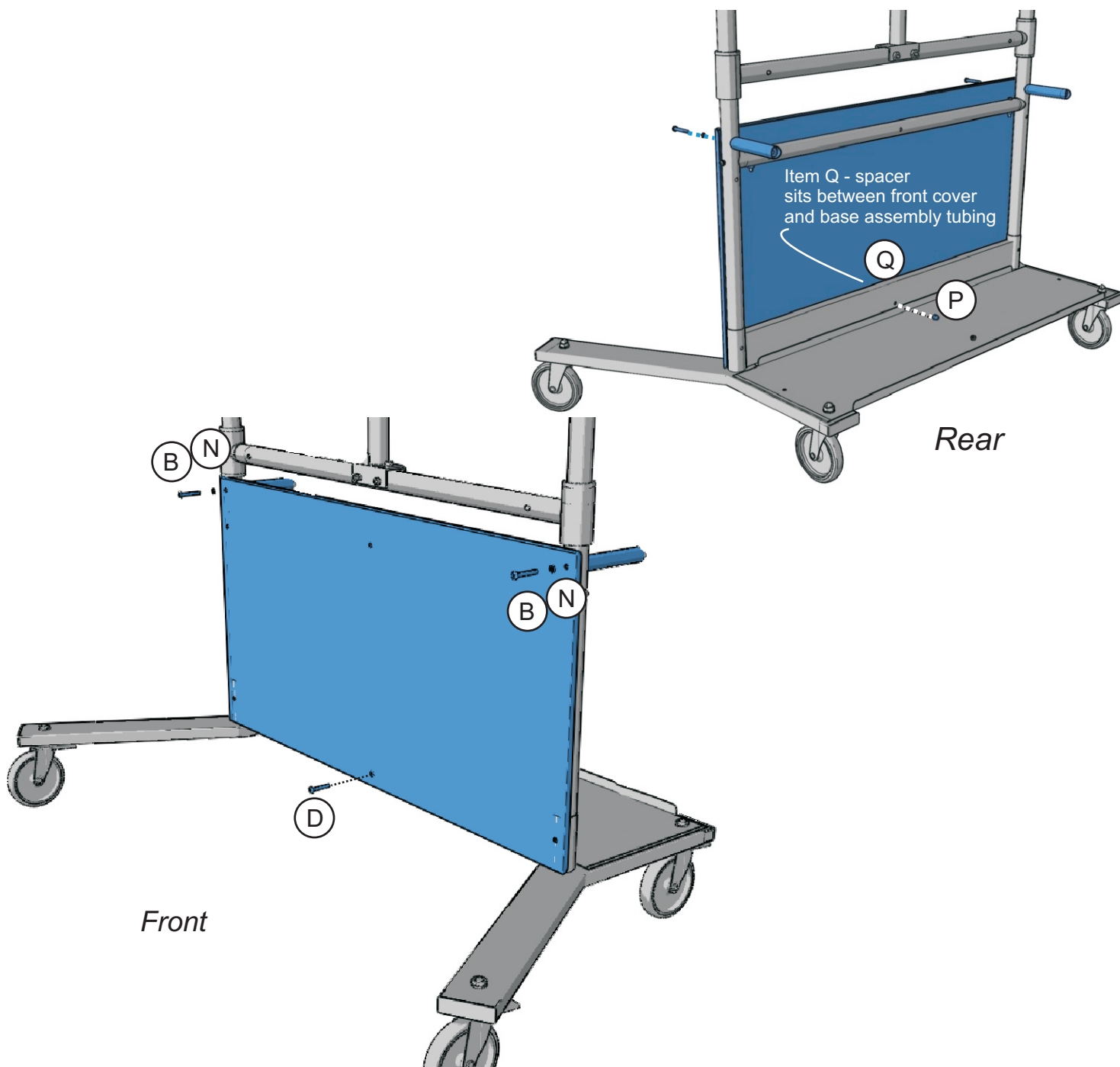
Short stretcher x 2



Front cover x 1

Install Front Cover & Short Stretchers

If you plan to install the optional Lock Box



8

(K)

Partially threaded M8 x 50mm bolt 2x

(V)

M8 lock washer 2x

(N)

M6 lock washer 4x

(Y)

M8 extra large flat washer 2x

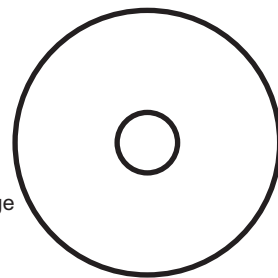
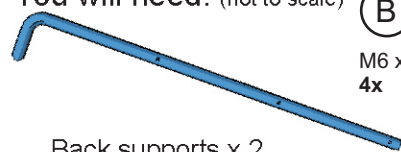
You will need: (not to scale)

(B)

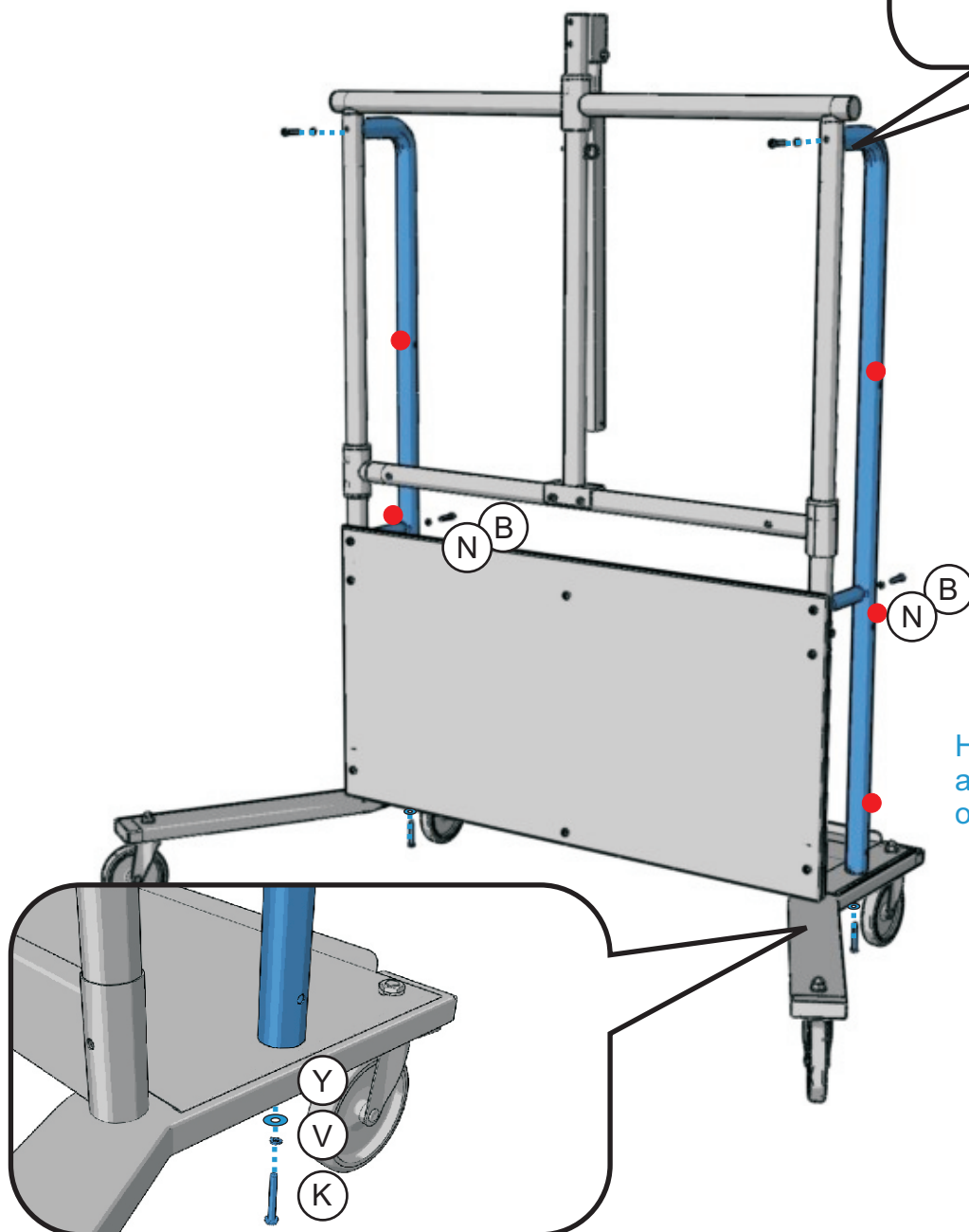
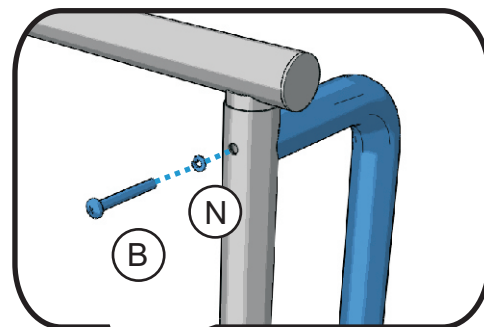
M6 x 50mm bolt 4x

(Y)

M8 extra large flat washer 2x



Install Back Supports & Secure Short Stretchers



Hole indents should always be to the outside of the unit.

9

Actual Size:

(B)

M6 x 50mm
bolt 2x



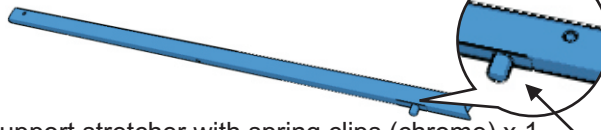
(N)

M6 lock washer
2x



2-Person Task

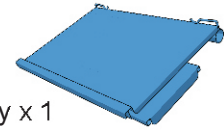
You will need: (not to scale)



Support stretcher with spring clips (chrome) x 1

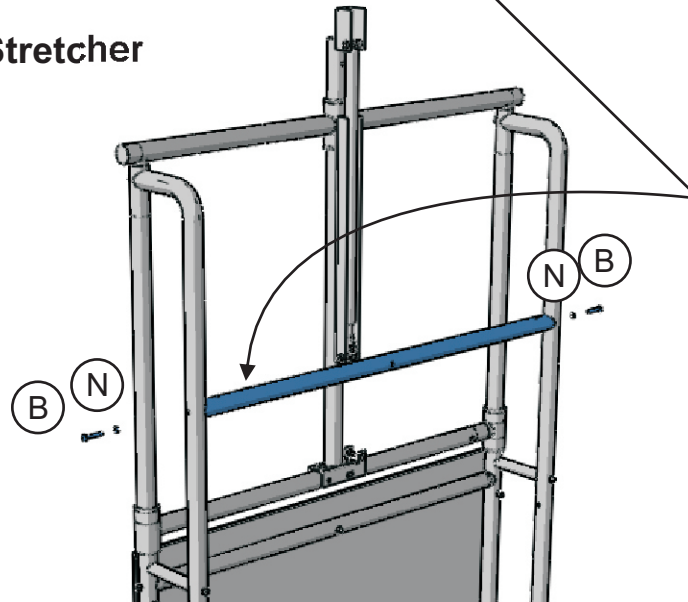
Option

You will need: (not to scale)



Laptop tray x 1

Install Rear Support Stretcher



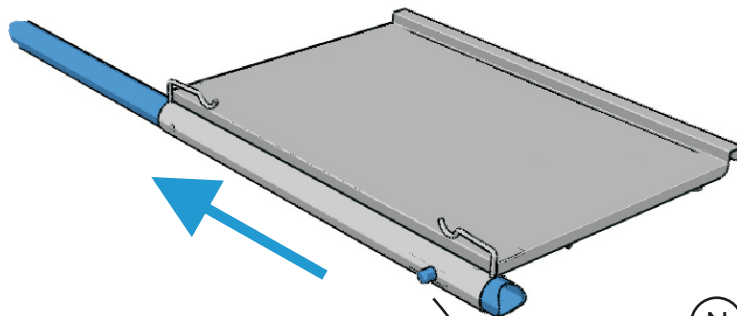
Ensure spring clip is turned towards the inside of the unit.

OR

If you plan to install the optional Rear Laptop Arm

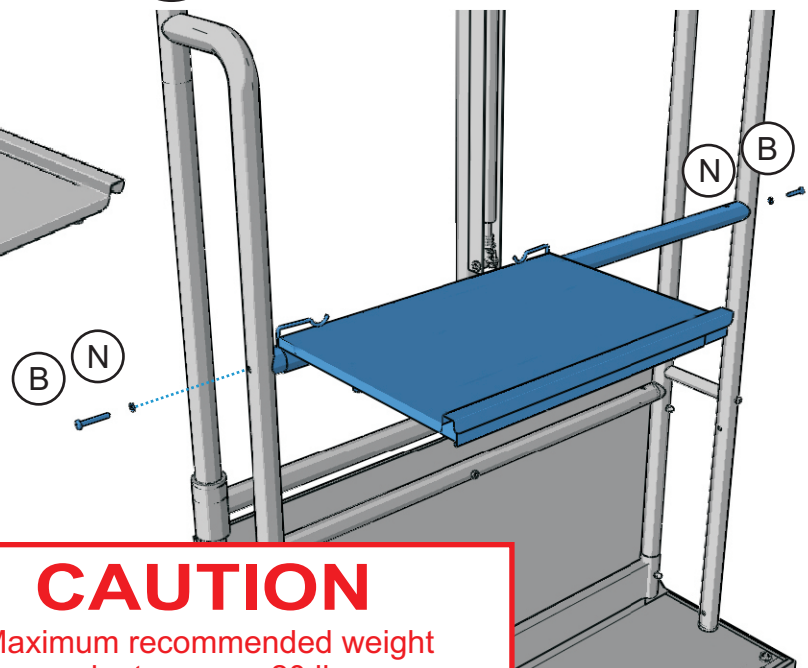
1

Laptop tray can be installed on either the left or right hand side.



Slide laptop tray assembly onto support stretcher until the spring clips pop through the laptop tray assembly.

2



CAUTION

Maximum recommended weight
on rear laptop arm - 20 lbs.

10

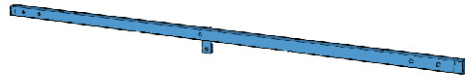
Actual Size:



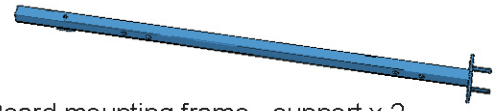
M8 lock
nut 4x



You will need: (not to scale)

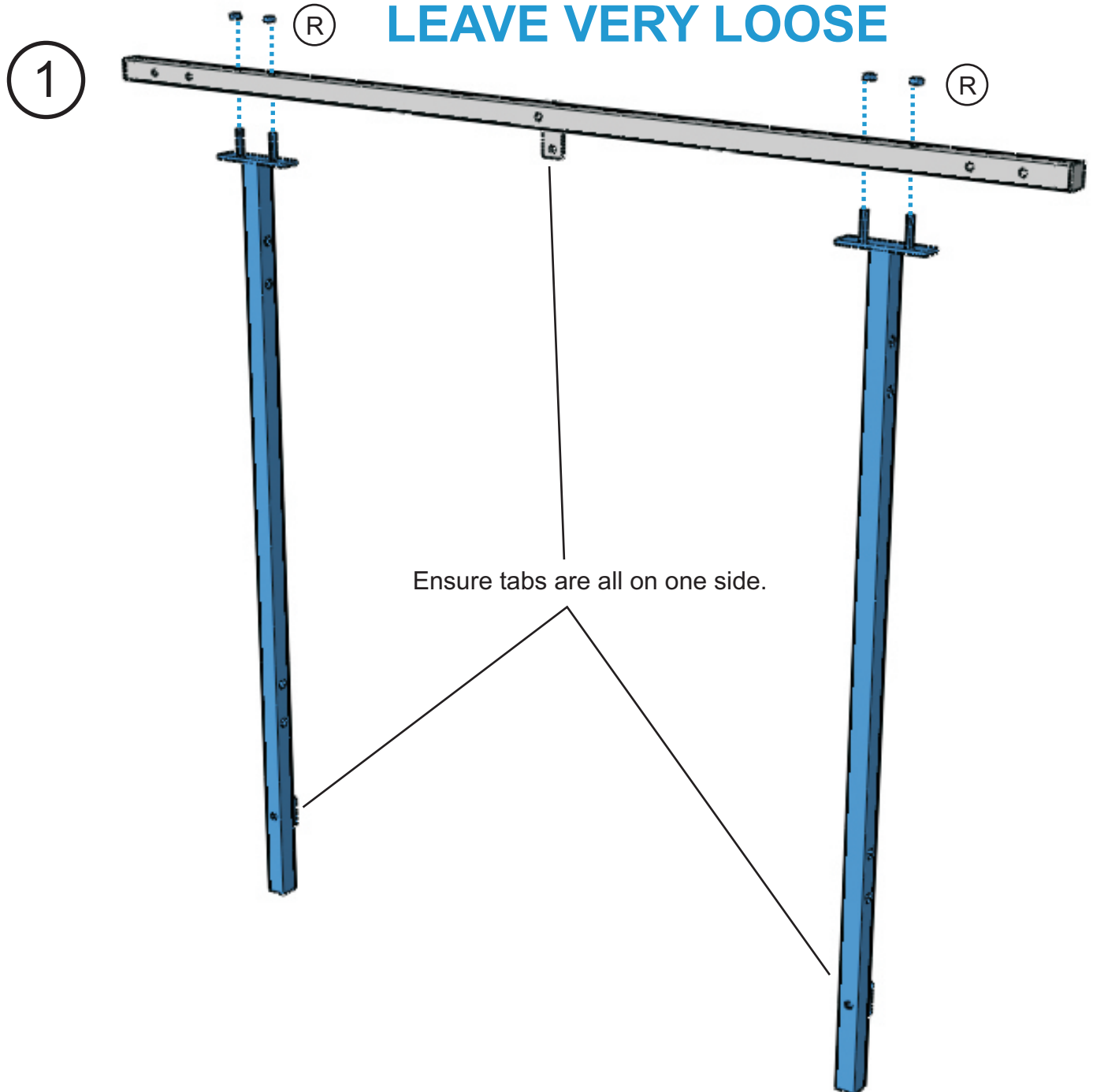


Board mounting frame - top x 1



Board mounting frame - support x 2

Install Board Mounting Frame - Top & Projector Arm Support



11



Partially threaded M8 x 95mm bolt 1x



M8 lock nut 2x

Large spacer 2x

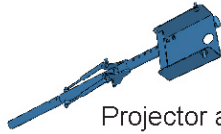
front

side



2-Person Task

You will need: (not to scale)



Projector arm support x 1

(E)

Partially threaded M8 x 65mm bolt 1x



Install Board Mounting Frame - Top & Projector Arm Support

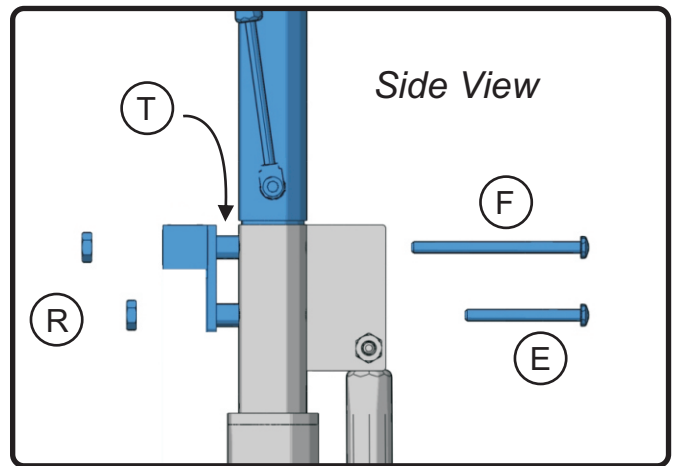
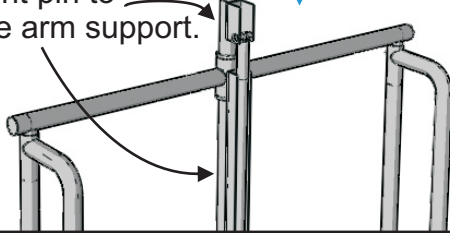
2



Note orientation of arm - ensure it is toward the front.

Slide projector arm support into center slide pole.

You must remove the temporary bolt and detent pin to install the arm support.



Side View

Front

3

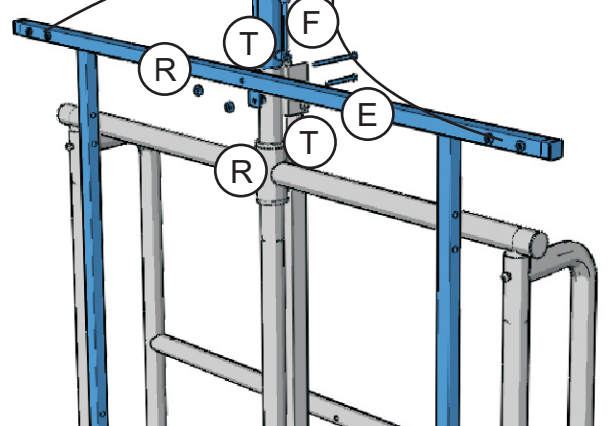
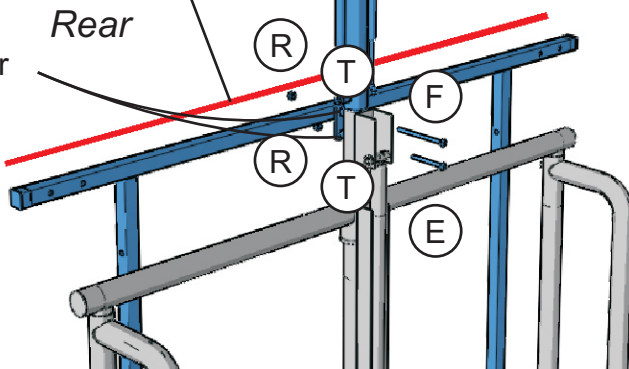
Insert bolts through the projector support arm, shock bracket and board mounting frame - top. Tap in with a rubber mallet if necessary.

Ensure welded nuts are facing toward the front.

Ensure frame is level before tightening!

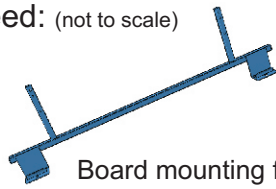
Spacer item T

Rear





You will need: (not to scale)



Board mounting frame - bottom x 1

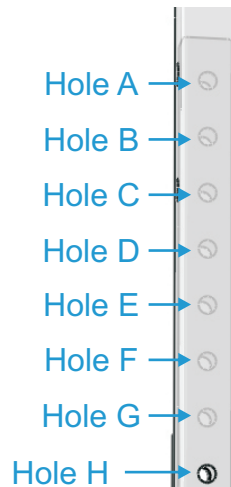
Determine Your Board Frame Position

The board mounting frame is adjustable to allow for the use of different sizes of boards.

Use this table to determine which hole you should use.

Epson Projector Arm

Projector	Model	Board	Board Frame
Epson	470/480	Smart 680	H
	470/480	Smart 880	F
	475W/485W	Smart 685	F
	475W/485W	Smart 885	F
	475WI/485WI	Copernicus 77" WB	G
	480I	Copernicus 77" WB	H
	475WI/485WI	Egan 90" WB	E
	475WI/485WI	Egan 96" WB	C



Hole	Distance (X)
A	8.25"
B	7.25"
C	6.25"
D	5.25"
E	4.25"
F	3.25"
G	2.25"
H	1.25"

Tip for verifying your hole position.

Distance (X)

Board Frame
(Shown installed in Hole H)

12



(G) M6 x 90mm bolt
2x



(S) M6 lock nut
2x



(T) Large spacer
2x

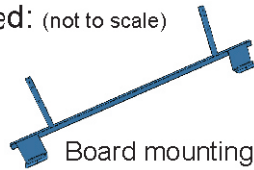


front



side

You will need: (not to scale)



Board mounting frame - bottom x 1



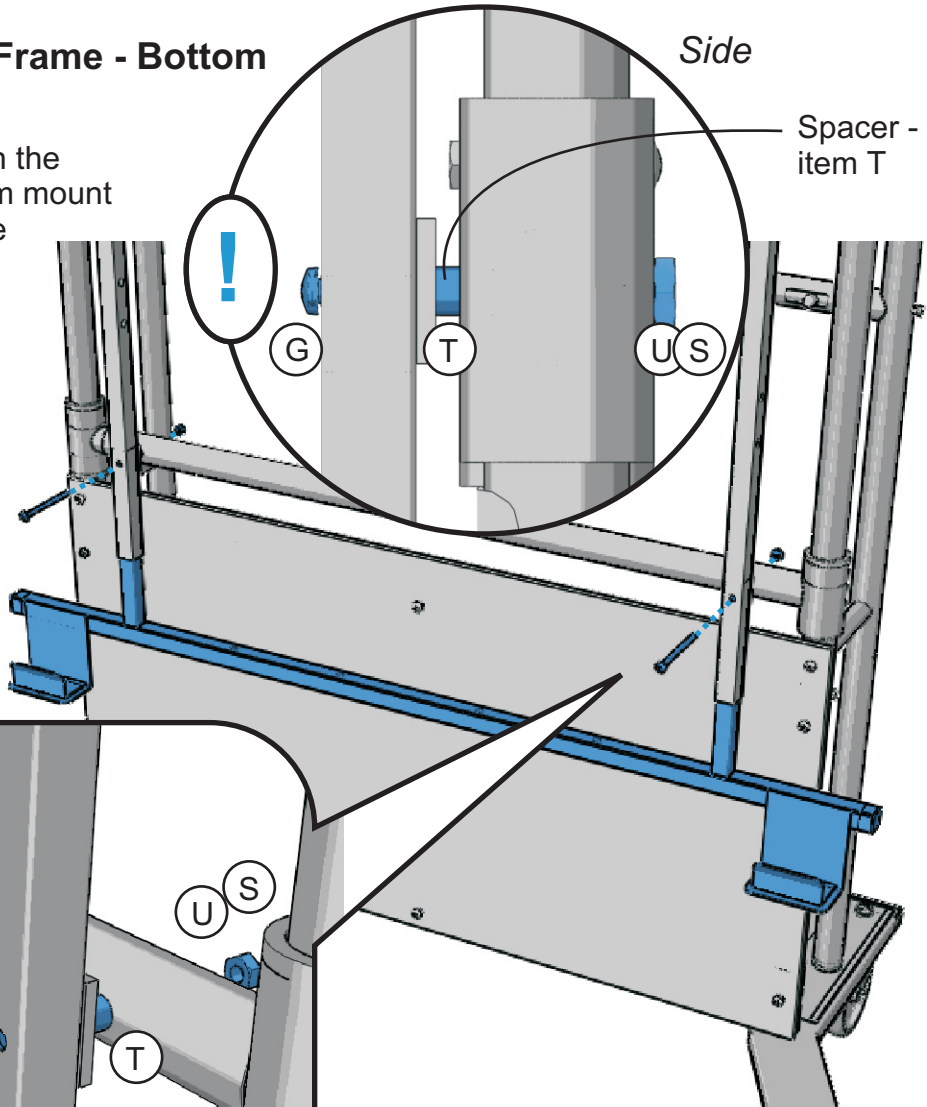
(U) M8 flat washer
2x



Install Board Mounting Frame - Bottom

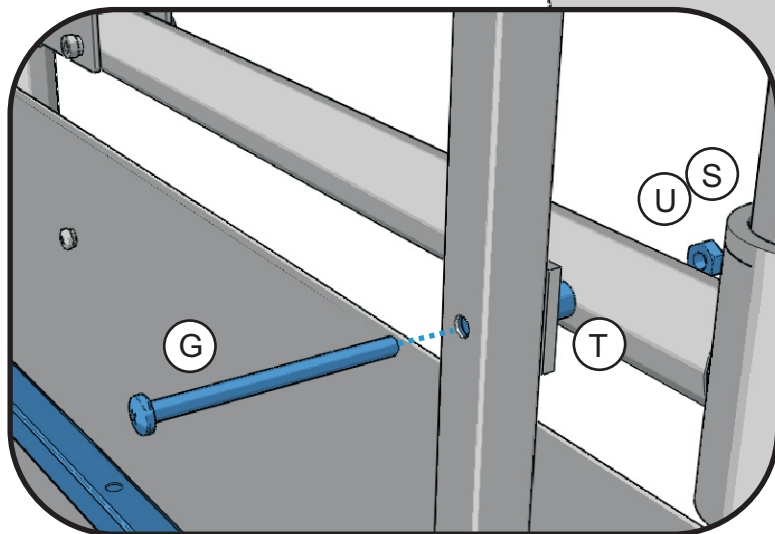
Using the hole you selected on the previous page, slide the bottom mount frame into the top mount frame and fasten through your chosen hole and through the sliding frame as shown.

Tap in with rubber mallet if necessary. Work from side to side as you tap it in.

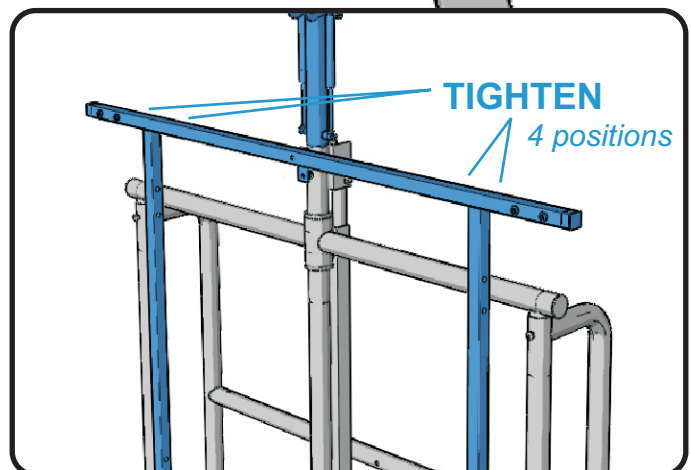


Side

Spacer - item T !



TIGHTEN!



13

Actual Size:



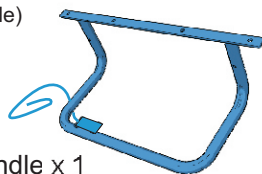
Partially threaded
M8 x 35mm bolt 4x



M8 lock nut
4x

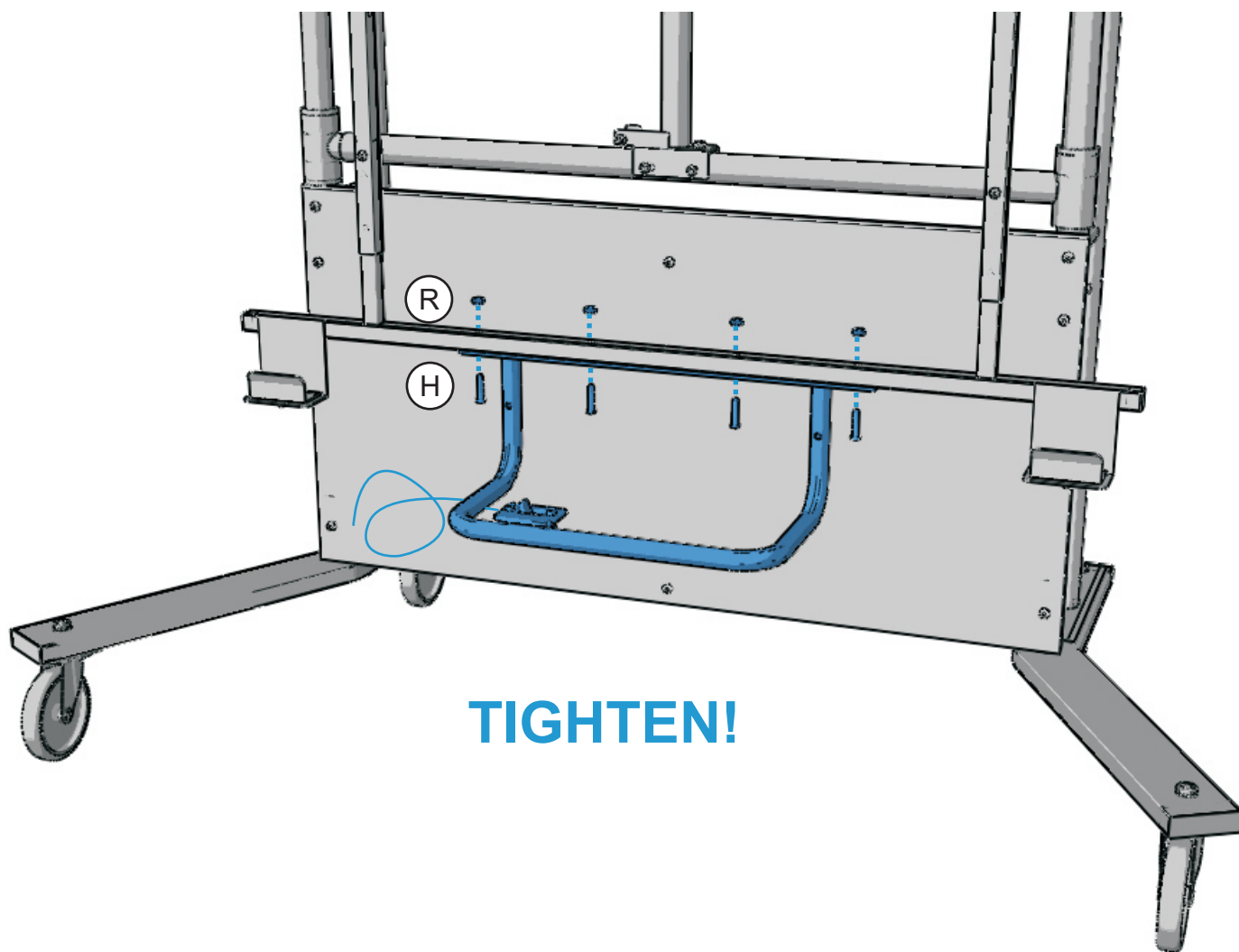


You will need: (not to scale)



Lift handle x 1

Install Lift Handle



14

Actual Size:



M6 x 35mm
bolt 2x



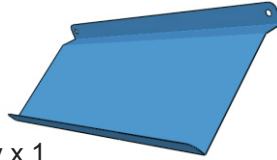
M6 keeps nut
2x



M6 lock washer
2x



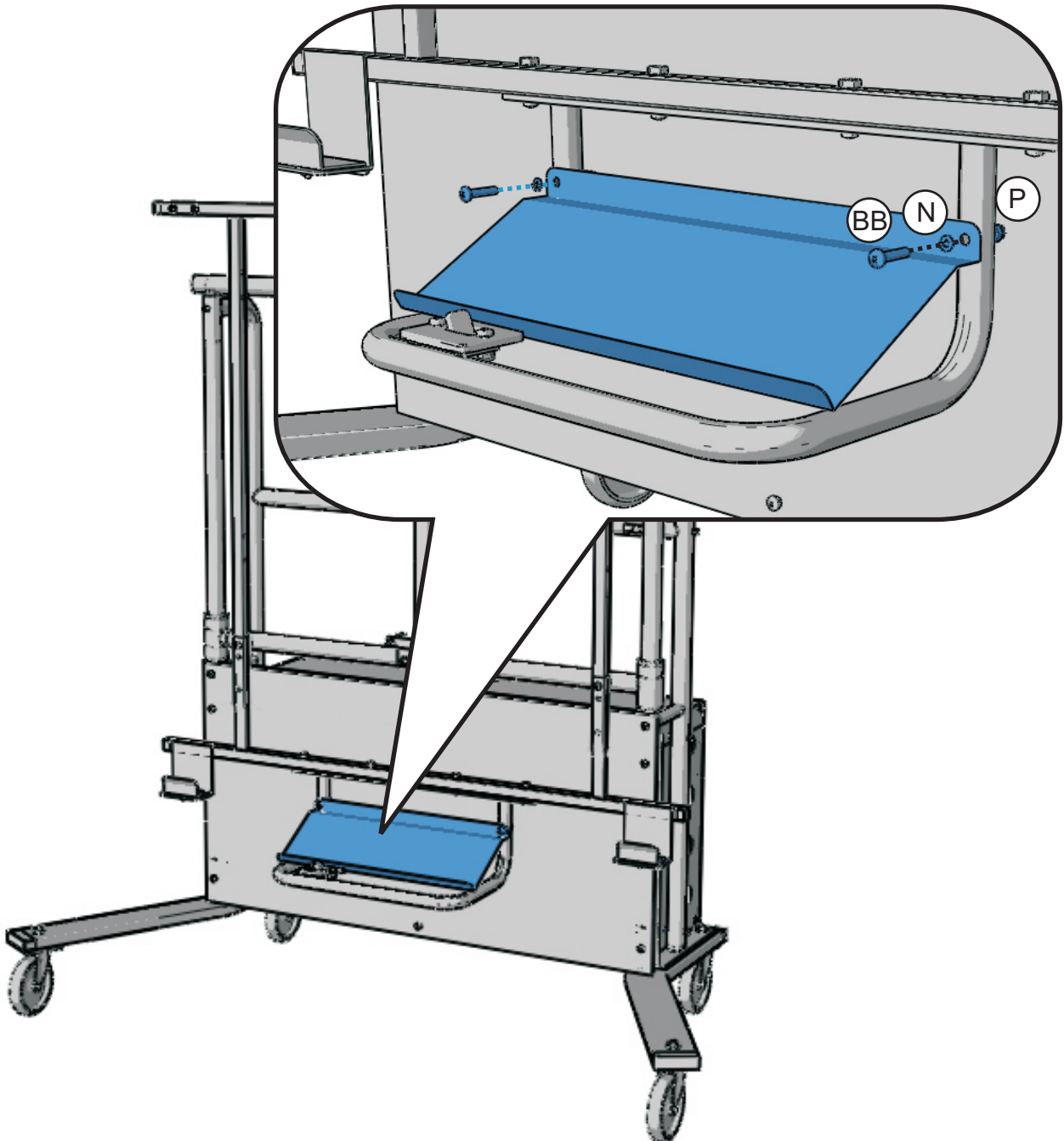
You will need: (not to scale)



Keyboard tray x 1

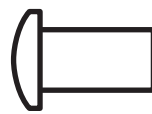
Install Optional Keyboard Tray

Skip this step if you are not installing a keyboard tray.



15A

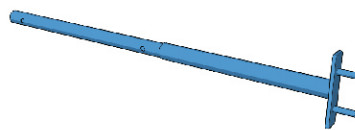
Actual Size:

M8 lock nut
8xM6 x 19mm
bolt 8xM8 lock washer
8xM6 barrel nut
8x

You will need: (not to scale)



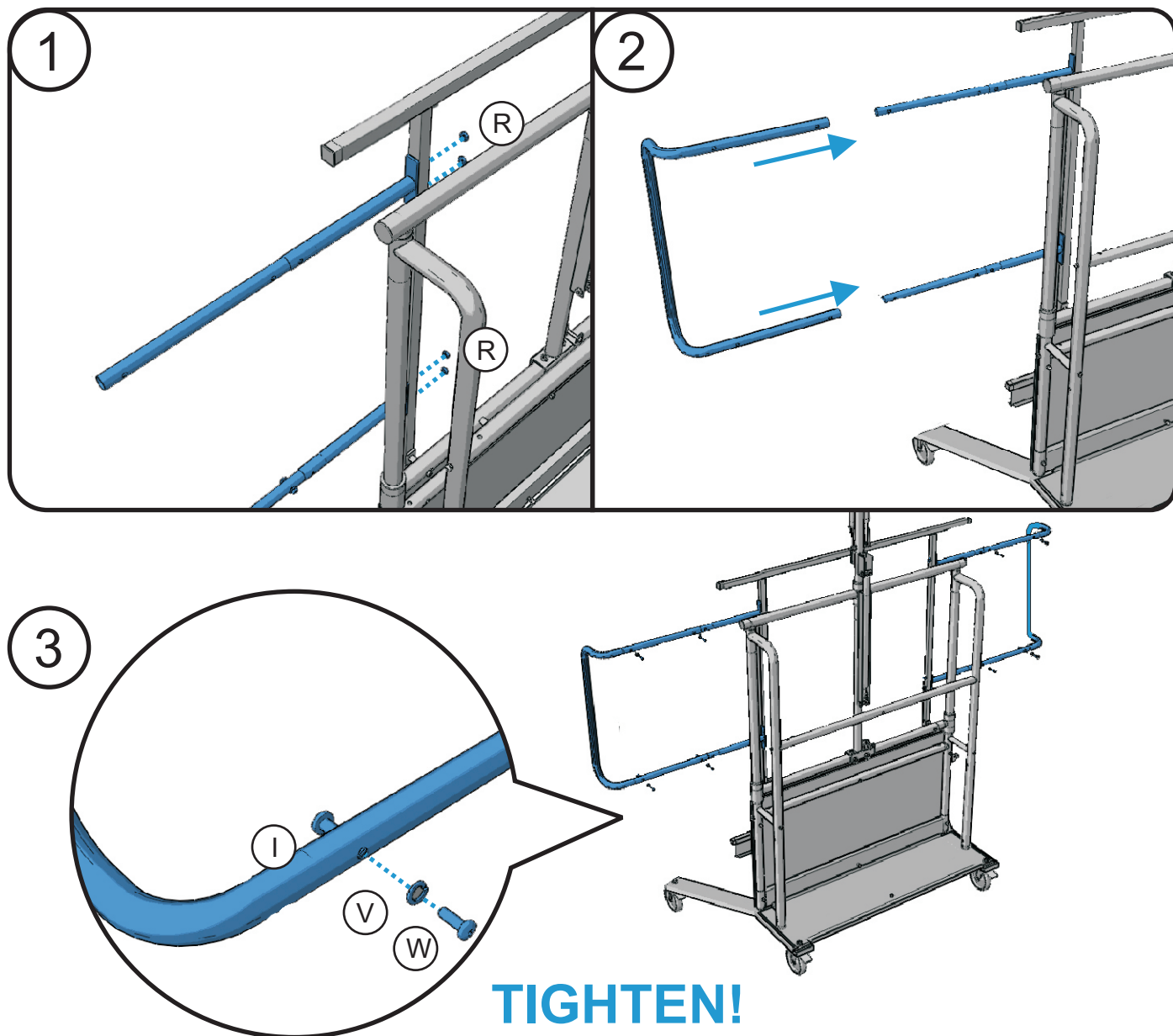
Protective handle x 2



Handle insert x 4

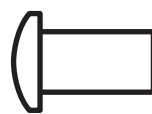
Install Protective Handles

If you plan to install the optional Side Laptop Arm, skip this step and proceed to step 15B for instructions.



15B

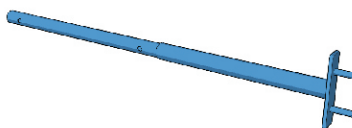
Actual Size:

M8 lock nut
8xM6 x 19mm
bolt 6xM8 lock washer
6xM6 barrel nut
6x

You will need: (not to scale)



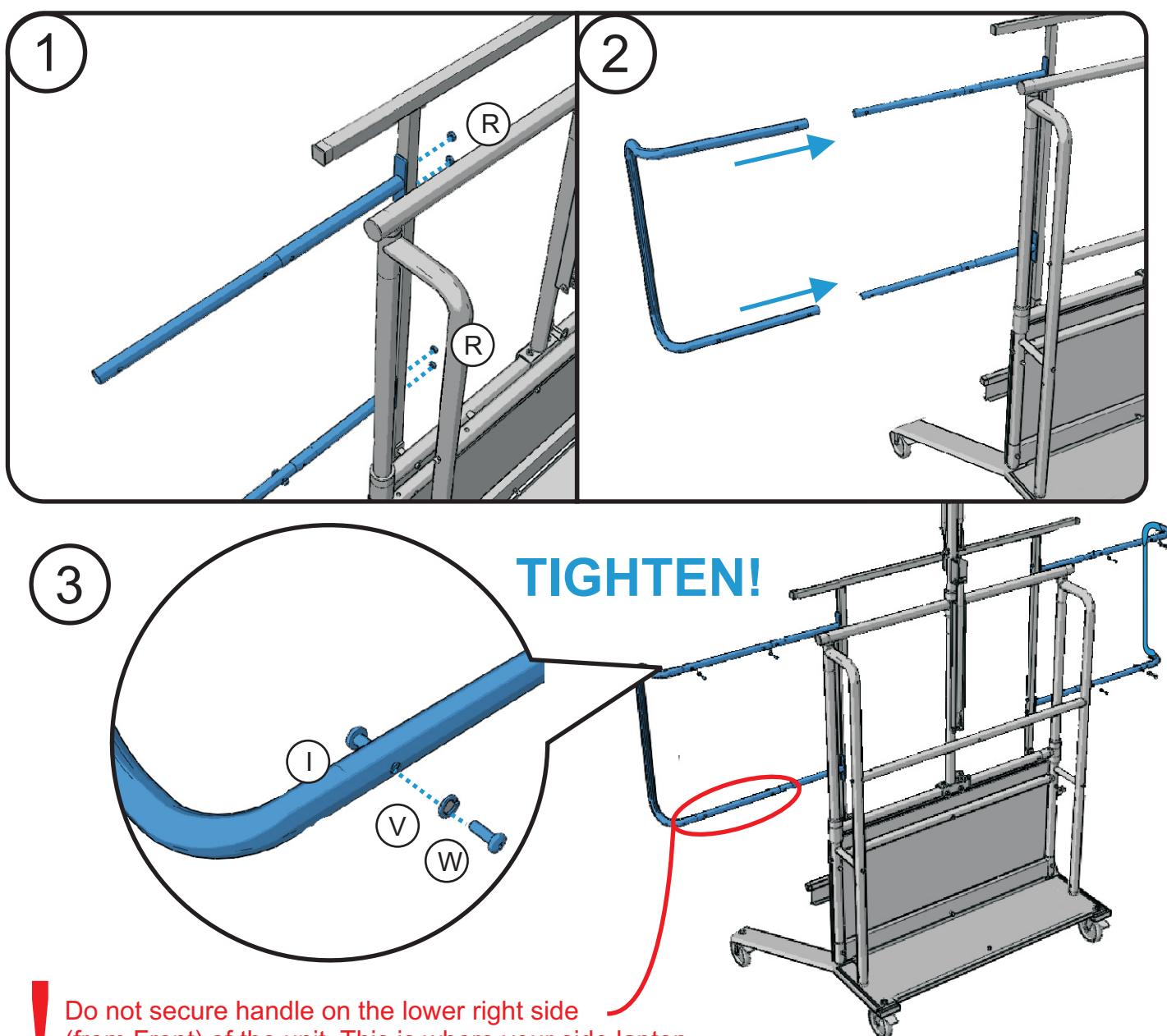
Protective handle x 2



Handle insert x 4

Install Protective Handles for Use With a Side Laptop Arm

If you plan to install the optional Side Laptop Arm



16

Actual Size:



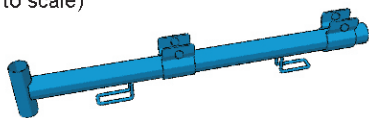
M8 x 40mm bolt
2x



M8 lock nut
2x



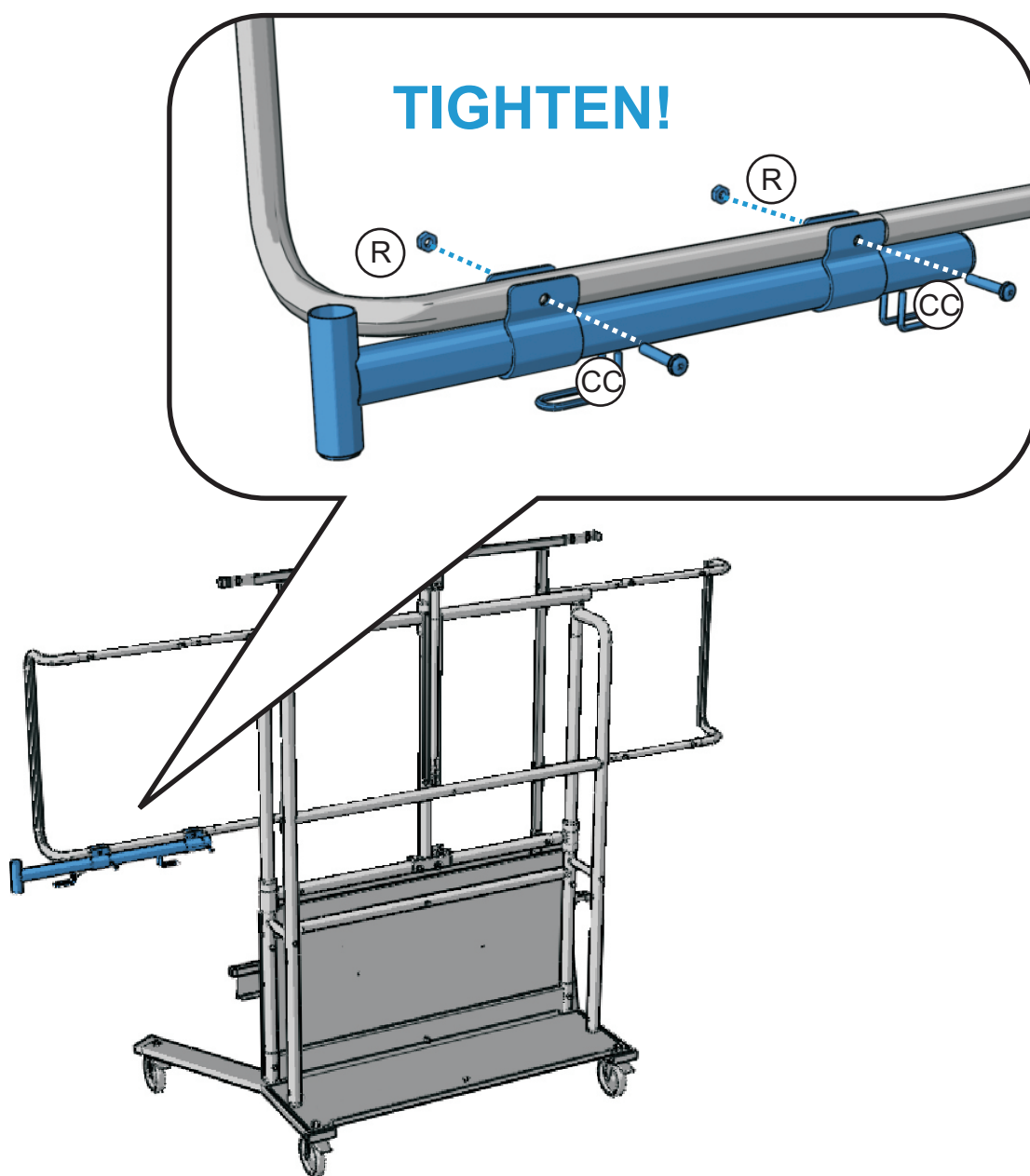
You will need: (not to scale)



Side laptop extension arm x 1

Install Optional Side Laptop Arm

Skip this step if you are not installing the side laptop arm.





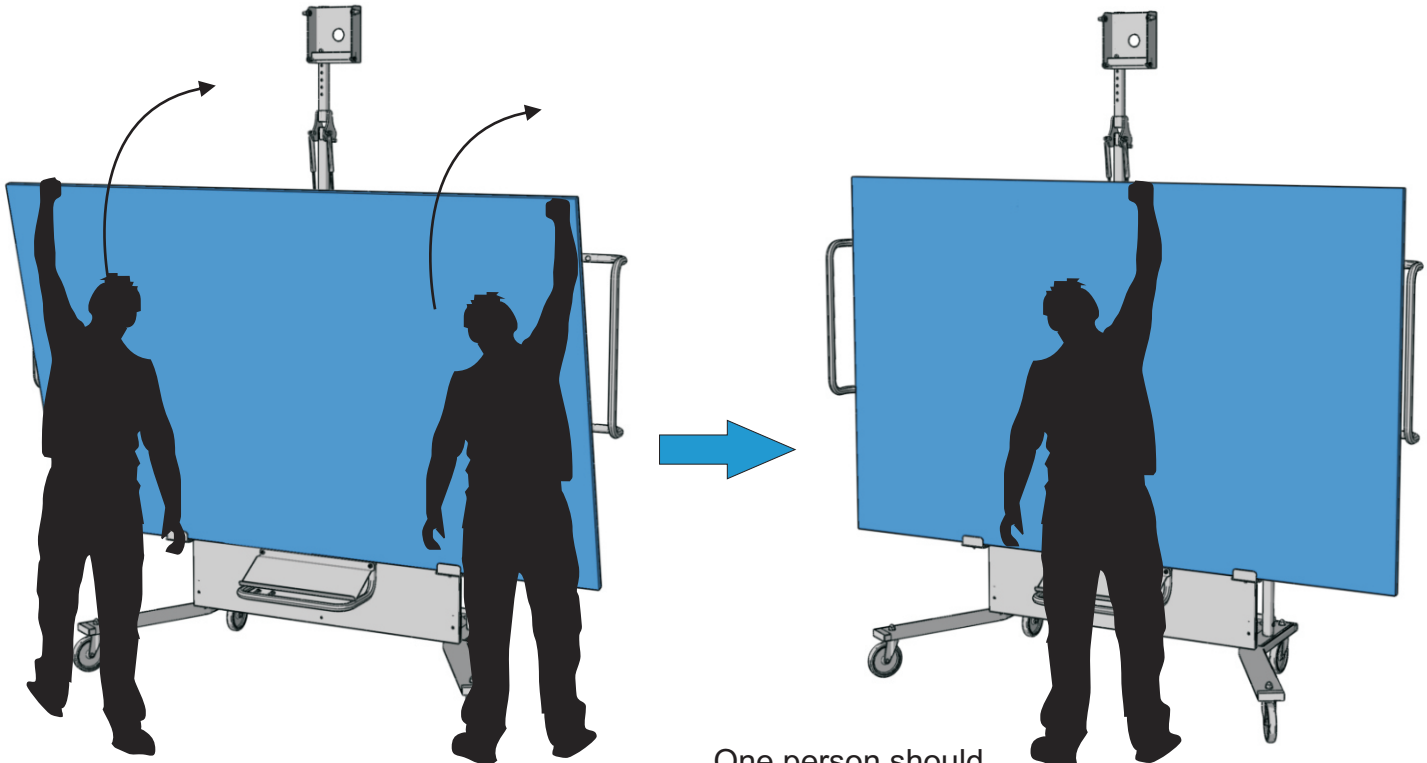
3-Person Task

**WARNING**

To avoid property damage or bodily injury, please hold the board securely until fastened.

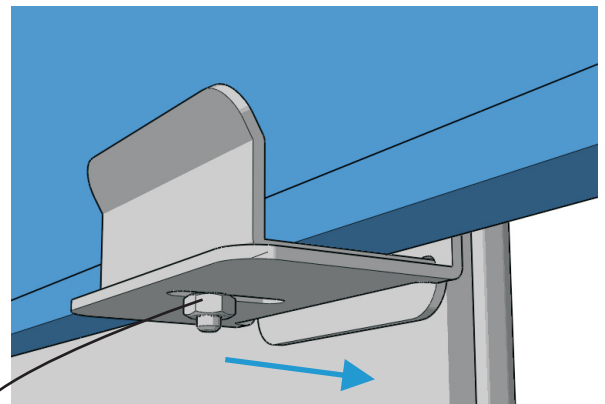
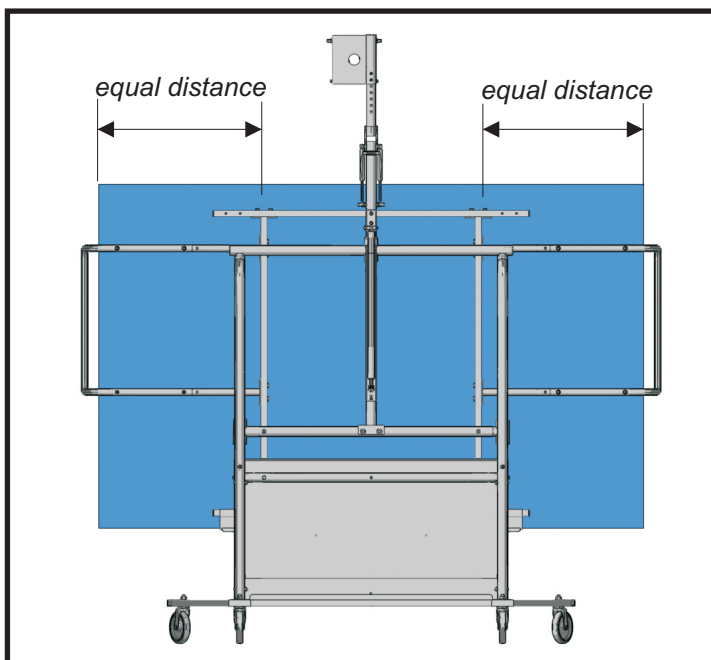
Position Board on Mounting Frame

Lift board onto the bottom mounting frame, resting it on the bottom brackets.



Ensure the board is centered on the frame:

One person should hold the top of the board until it is secured (next step).



Loosen nut and slide bracket until it is flush with the board.
Once it is flush, re-tighten the nut in place.

18

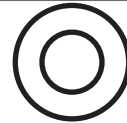
Actual Size:



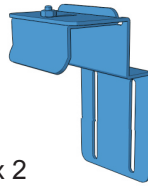
Partially threaded M8 x 35mm bolt 4x



M8 flat washer 4x



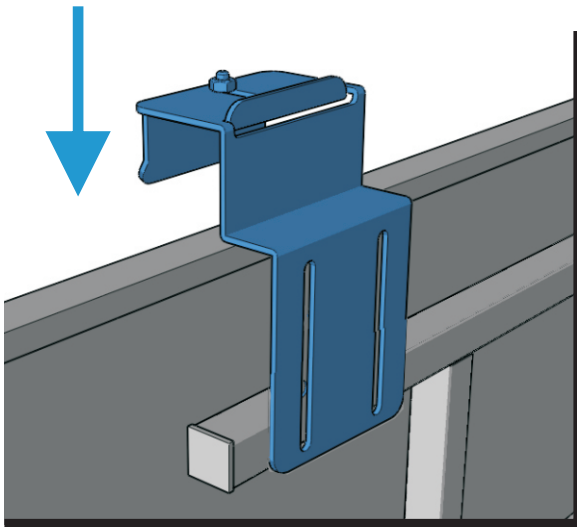
You will need: (not to scale)



Top clamps x 2

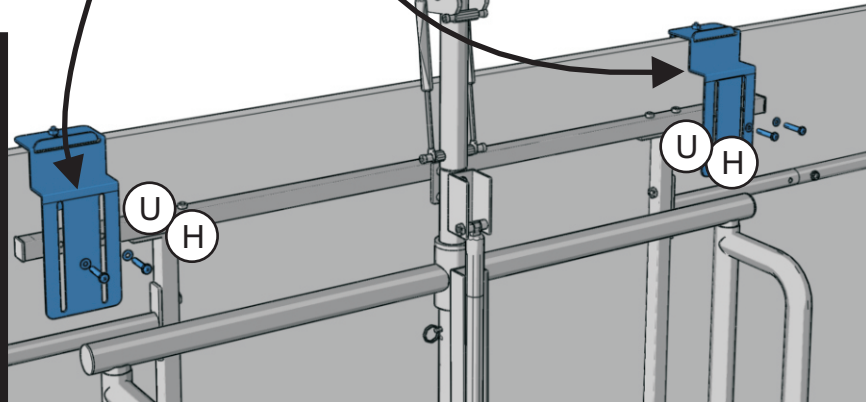
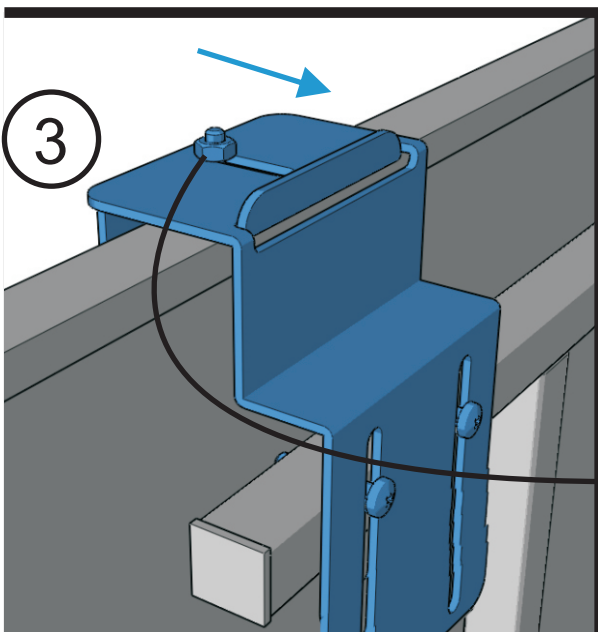
Secure Top of Board

- 1 Position top clamp around top frame of board.



2

**Do not
over tighten!**
Over tightening
may crush
frame



Loosen nut and slide bracket until it is flush with the board.
Once it is flush, re-tighten the nut in place.

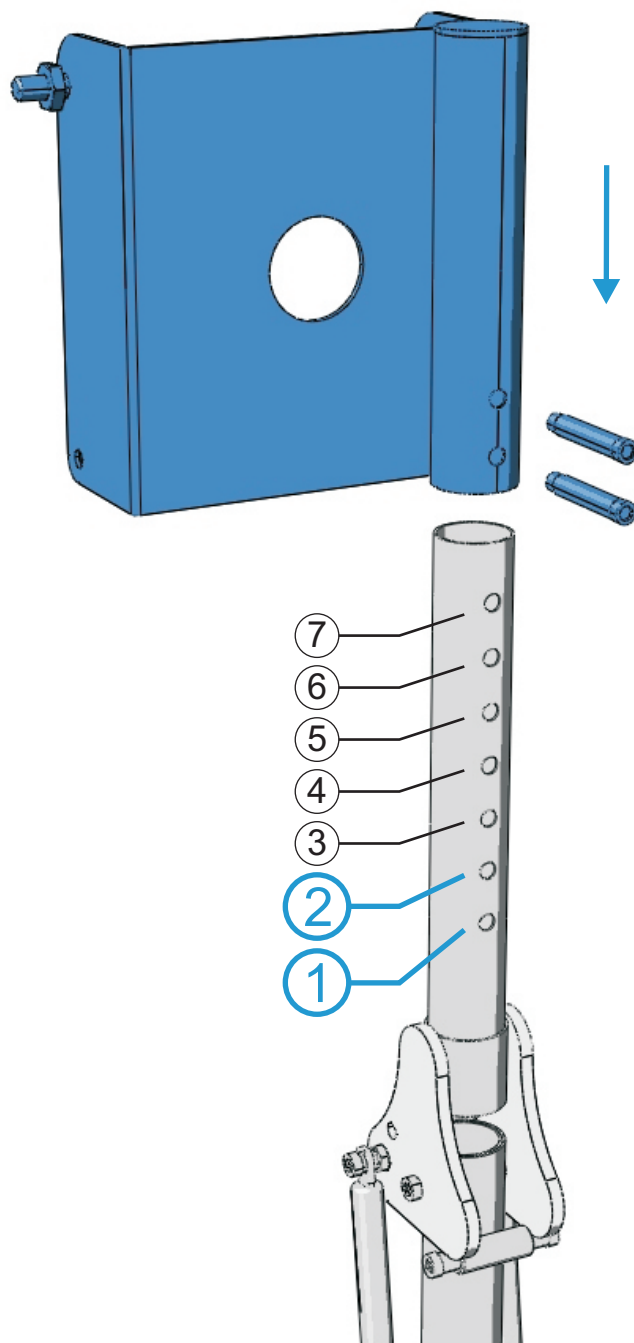
Adjust Projector Arm Height

Install using the bottom two holes on the post. All the supported projector and board combinations will use these same post holes.

Epson Projector Arm

Projector	Model	Board	PA Post Holes
Epson	470/480	Smart 680	1,2
	470/480	Smart 880	1,2
	475W/485W	Smart 685	1,2
	475W/485W	Smart 885	1,2
	475WI/485WI	Copernicus 77" WB	1,2
	480I	Copernicus 77" WB	1,2
	475WI/485WI	Egan 90" WB	1,2
	475WI/485WI	Egan 96" WB	1,2

! DO NOT fold projector arm until the projector has been installed.

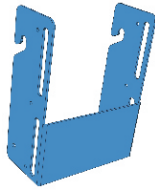


TIGHTEN BOLTS NOW!

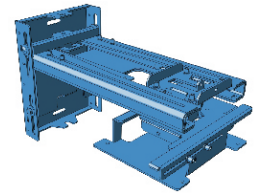
20.1

You will need: (not to scale)

Adapter Plate x 1



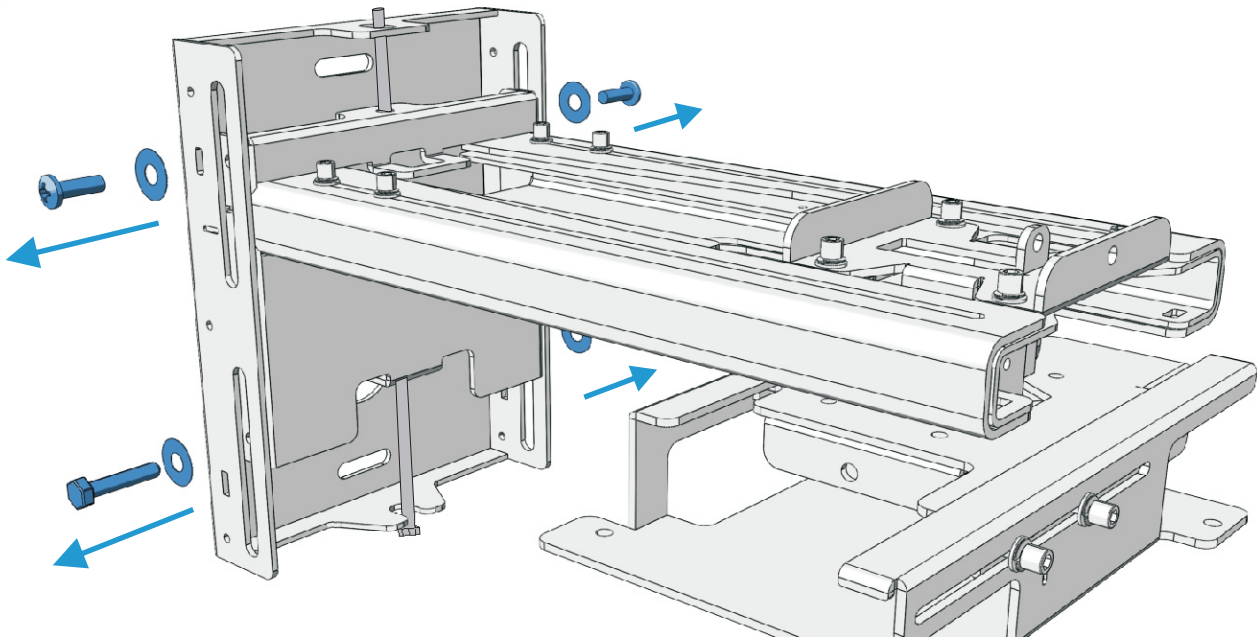
Epson Projector Arm x 1



Install Projector Arm Adapter Plate

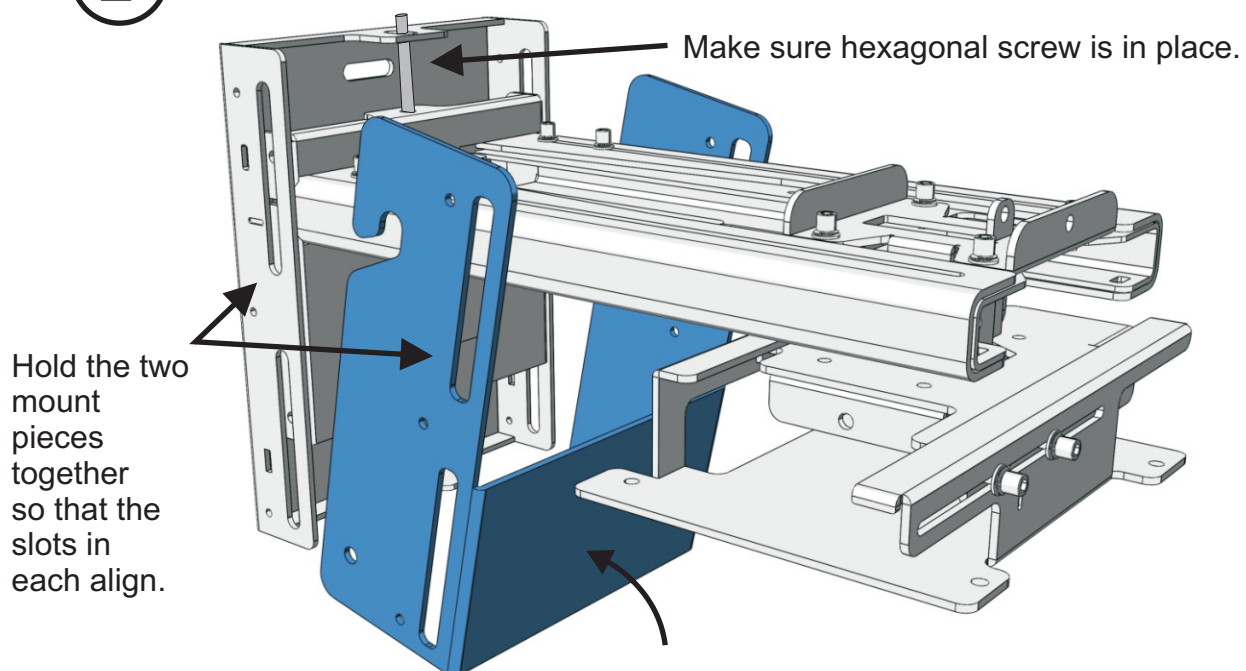
1

Remove four screws and washers. Keep for later step.



2

Slide on the Projector Arm Adapter Plate. Line up slots on the arm with plate.



20.2

Actual Size:



M8 flat washer
4x



M4 x 16mm bolt
6x



M4 lock washer
6x

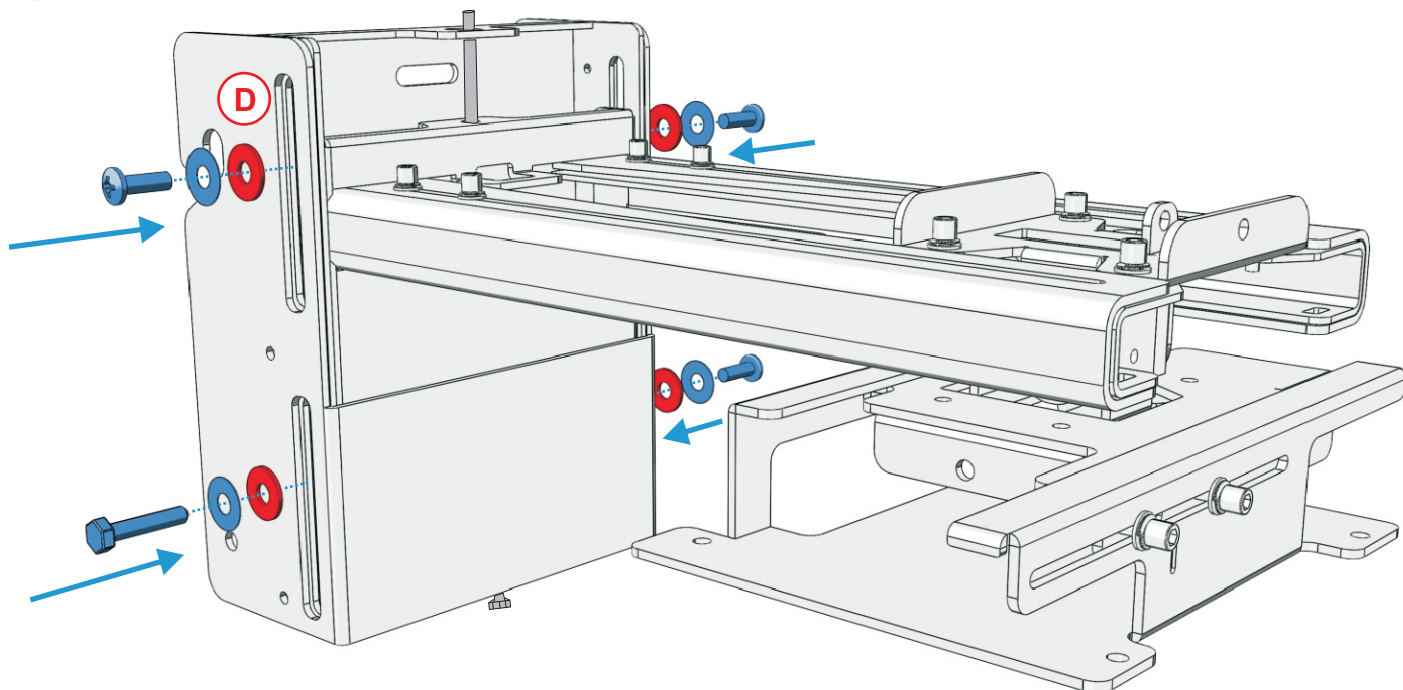


9/16" x 11/64" flat
washer 6x



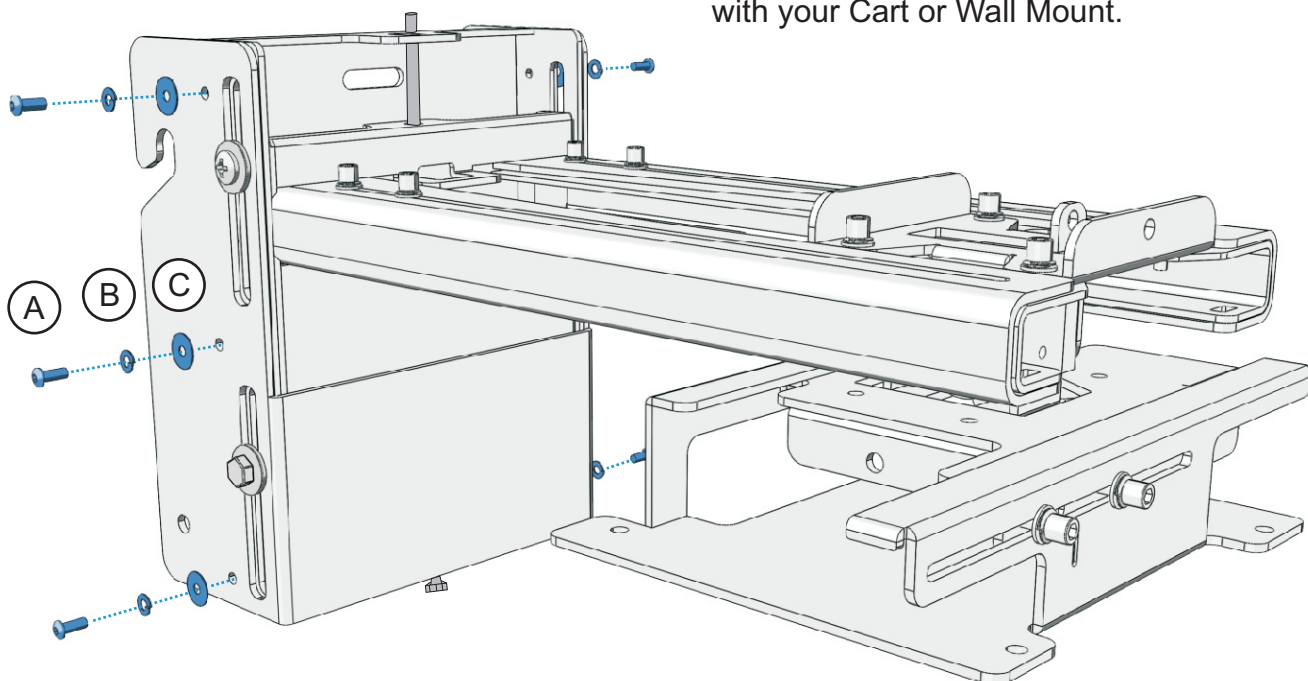
3

While holding the two mount pieces together and holding in place the hexagonal shaft, install the four screws you kept, along with the added washer. Do not fully tighten.



4

Install six short screws, lock washers and flat washers. Do not tighten the 6 screws all the way until after you mount the arm on the Projector Support Arm that was included with your Cart or Wall Mount.



21

Actual Size:



M10 lock nut
2x



M8 flat washer
2x



M6 lock washer
2x

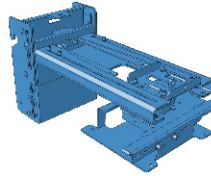


M6 x 19mm bolt
2x



2-Person Task

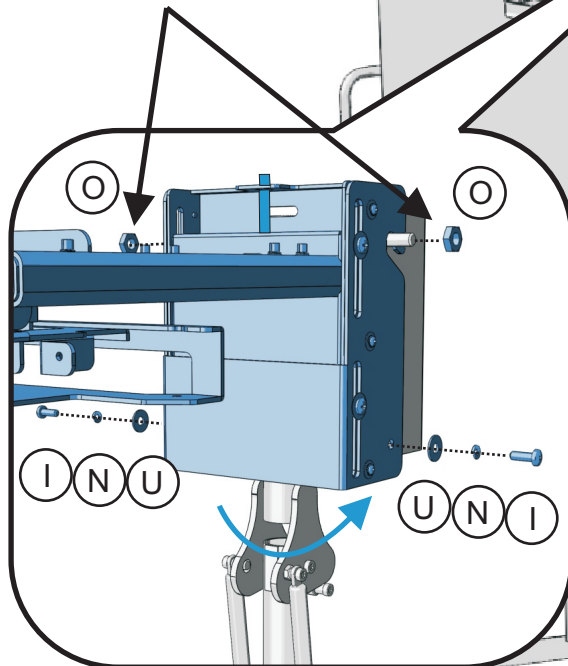
You will need: (not to scale)



Epson Projector Arm with Adapter Plate x 1

Attach Projector Arm to Unit

**TIGHTEN
these nuts!**



Hook adapter plate over studs on projector arm. Hold arm in position.



WARNING

Gas cylinders are under pressure. To avoid property damage or bodily injury, please use caution when folding the arm.

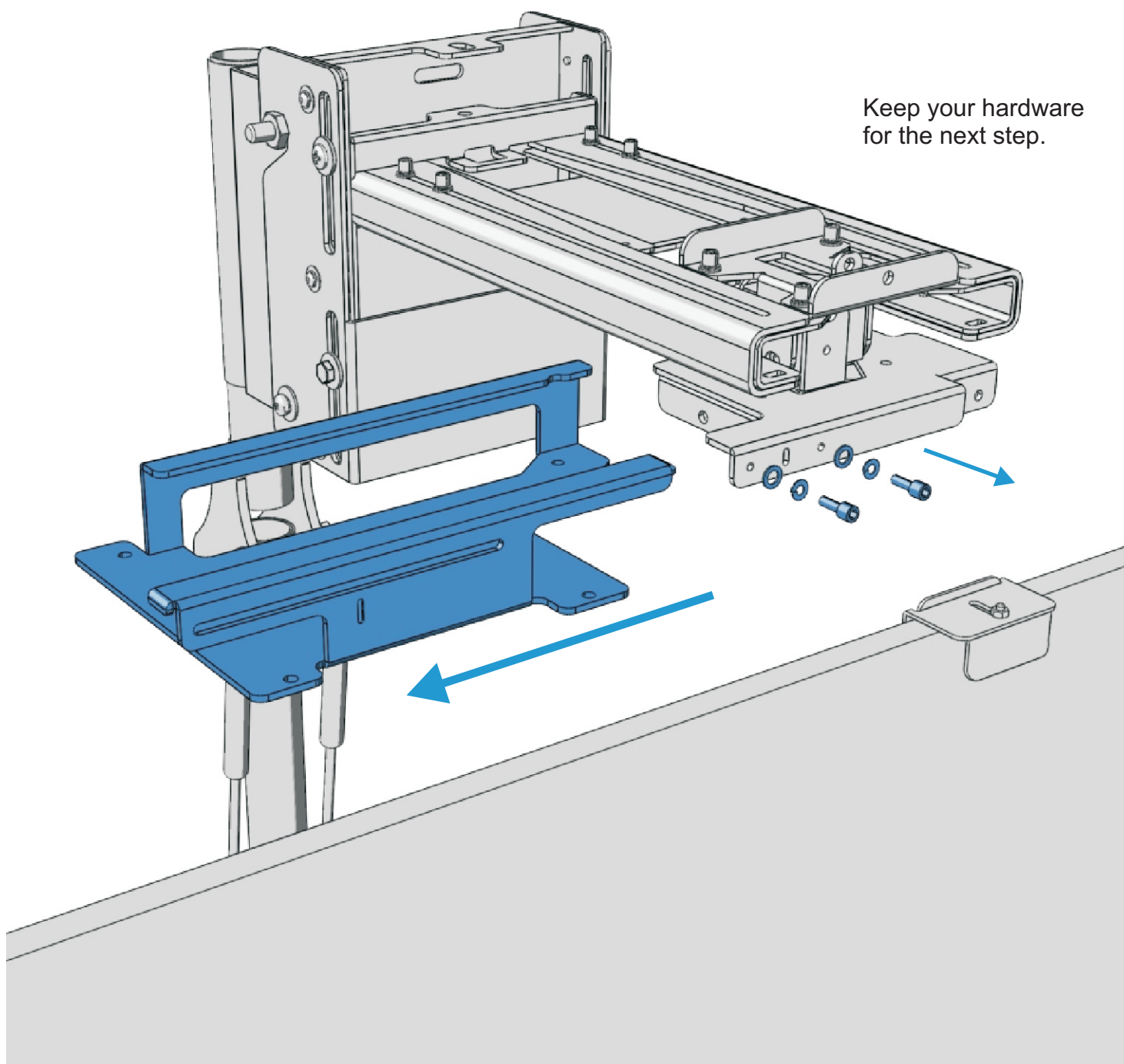
Rotate adapter plate into position and secure.

Please refer to the installation guide included with your Epson projector for instructions on how to install the projector on the adapter plate and on how to adjust the projector for use.

Remove Slide Plate

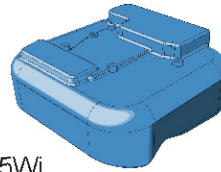
Remove the two screws.

Keep your hardware
for the next step.



You will need: {not included} (not to scale)

Epson projector x 1
PowerLite 470, 480, 480i, 475W, 485W, 475Wi, 485Wi



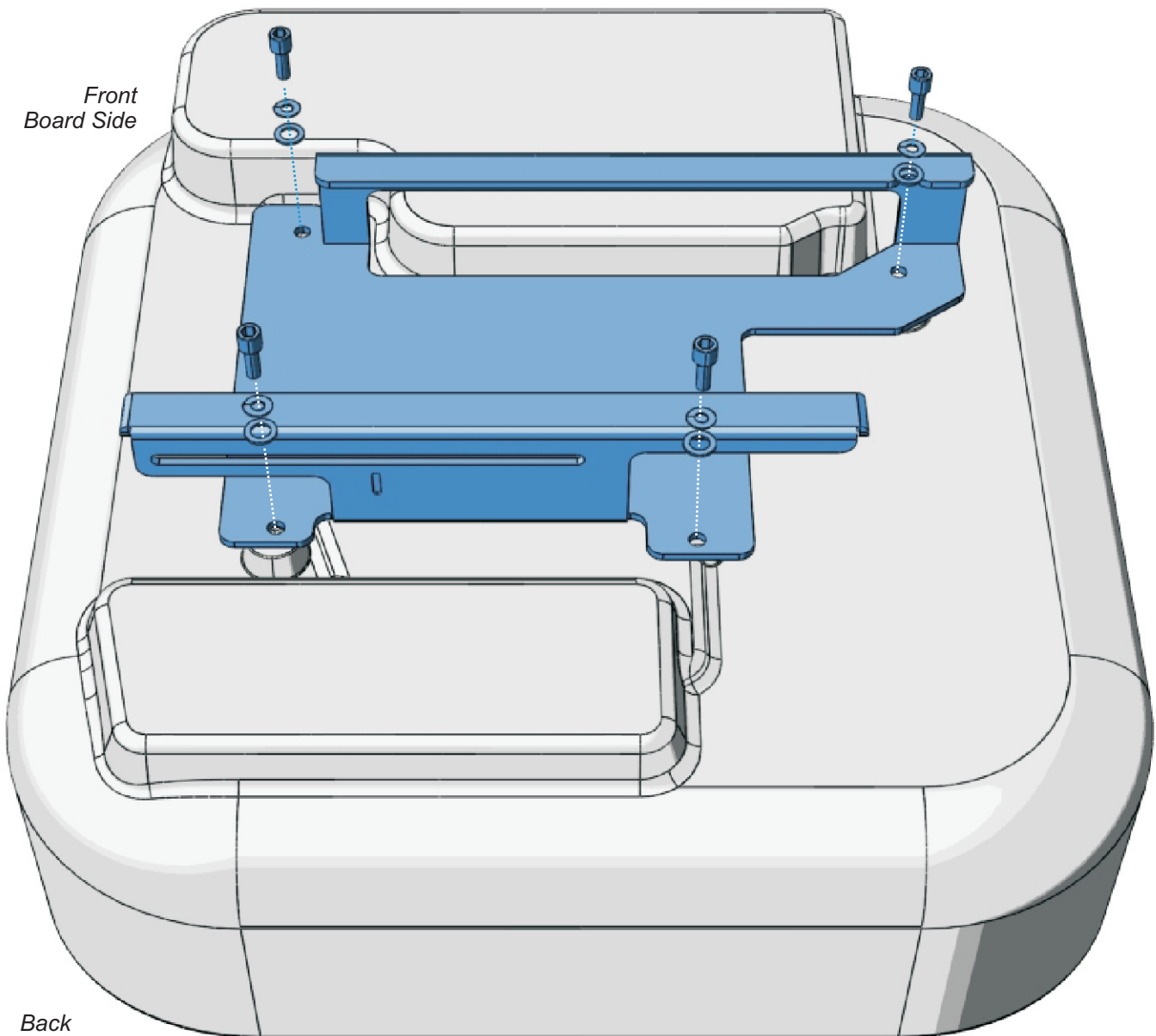
Attach Slide Plate to Projector

Attach the Slide Plate to the projector.



Use the hardware supplied
with your projector

Front
Board Side

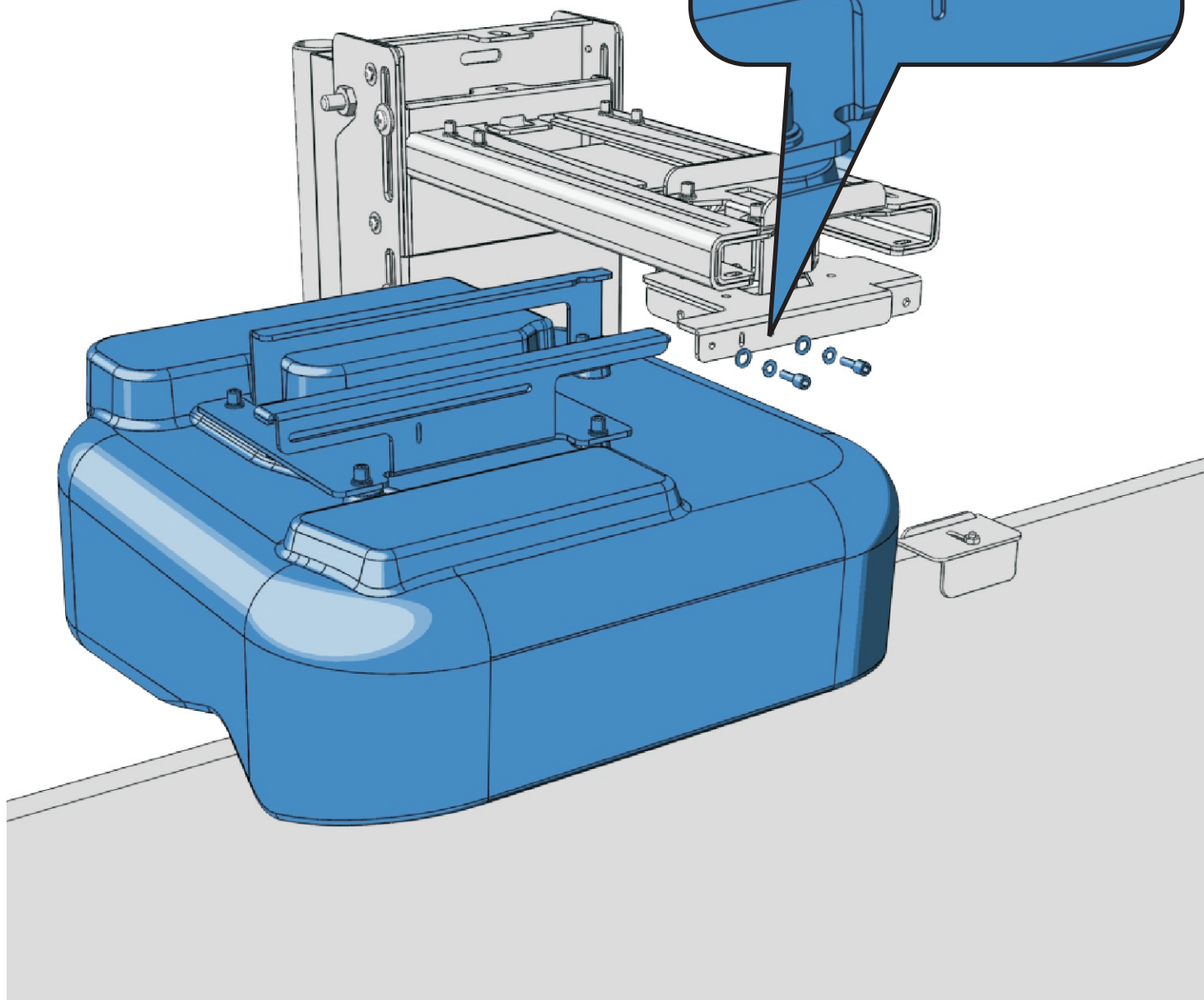
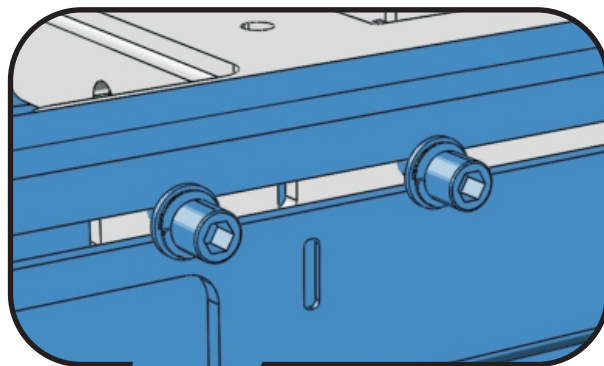


Back

Attach Projector to Projector Arm



Use the hardware supplied with your projector

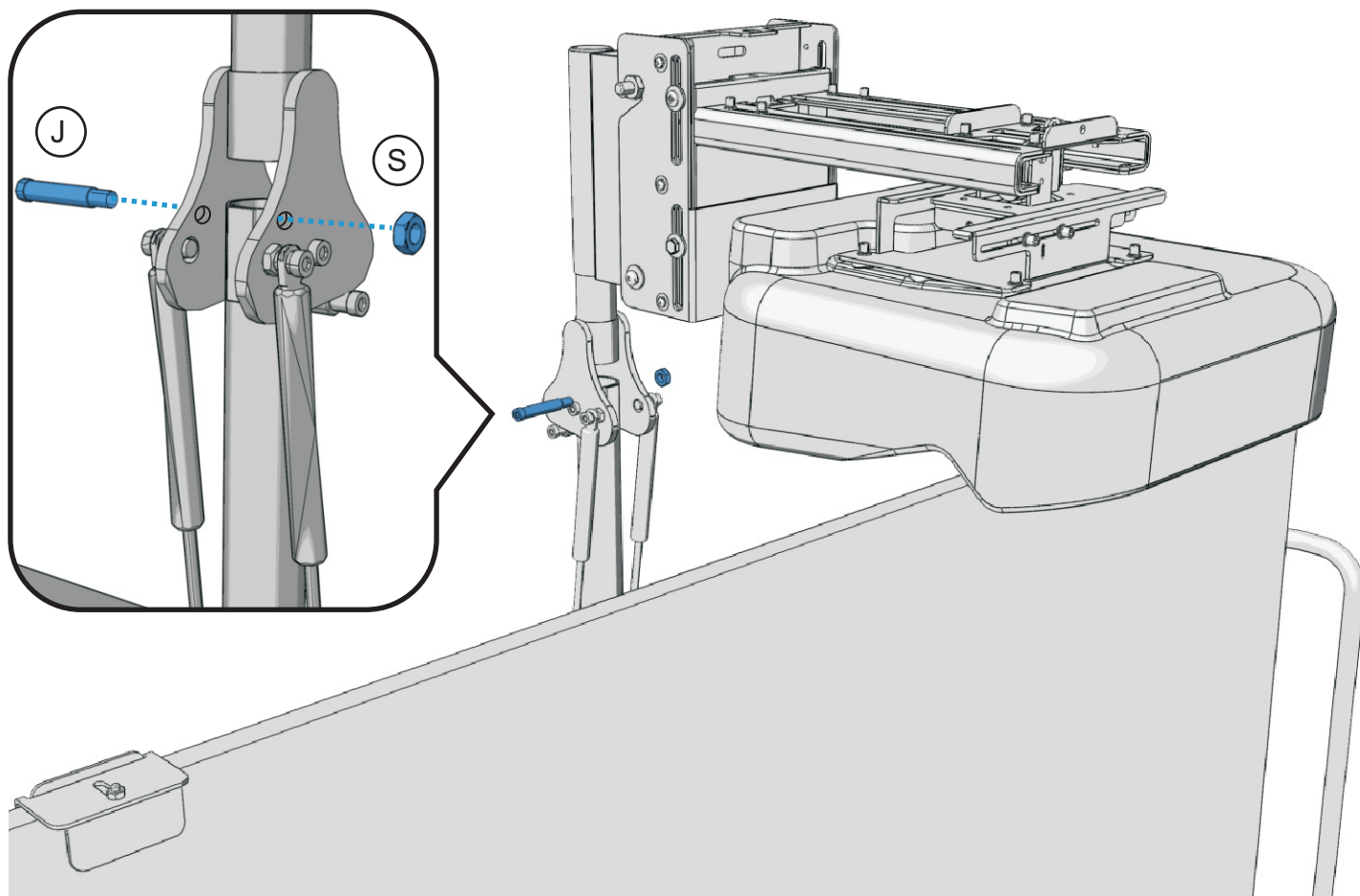


	Actual Size: (J) M8 x 50mm shoulder bolt 1x	 <i>used only in special instances</i> 	(S) M6 lock nut 1x 
 2-Person Task			

! Install Stop Bolt

All the projector and board combinations listed in this assembly guide require a stop bolt to be installed.

This bolt is intended to fit tight. You may need to tap the bolt in using a rubber mallet.



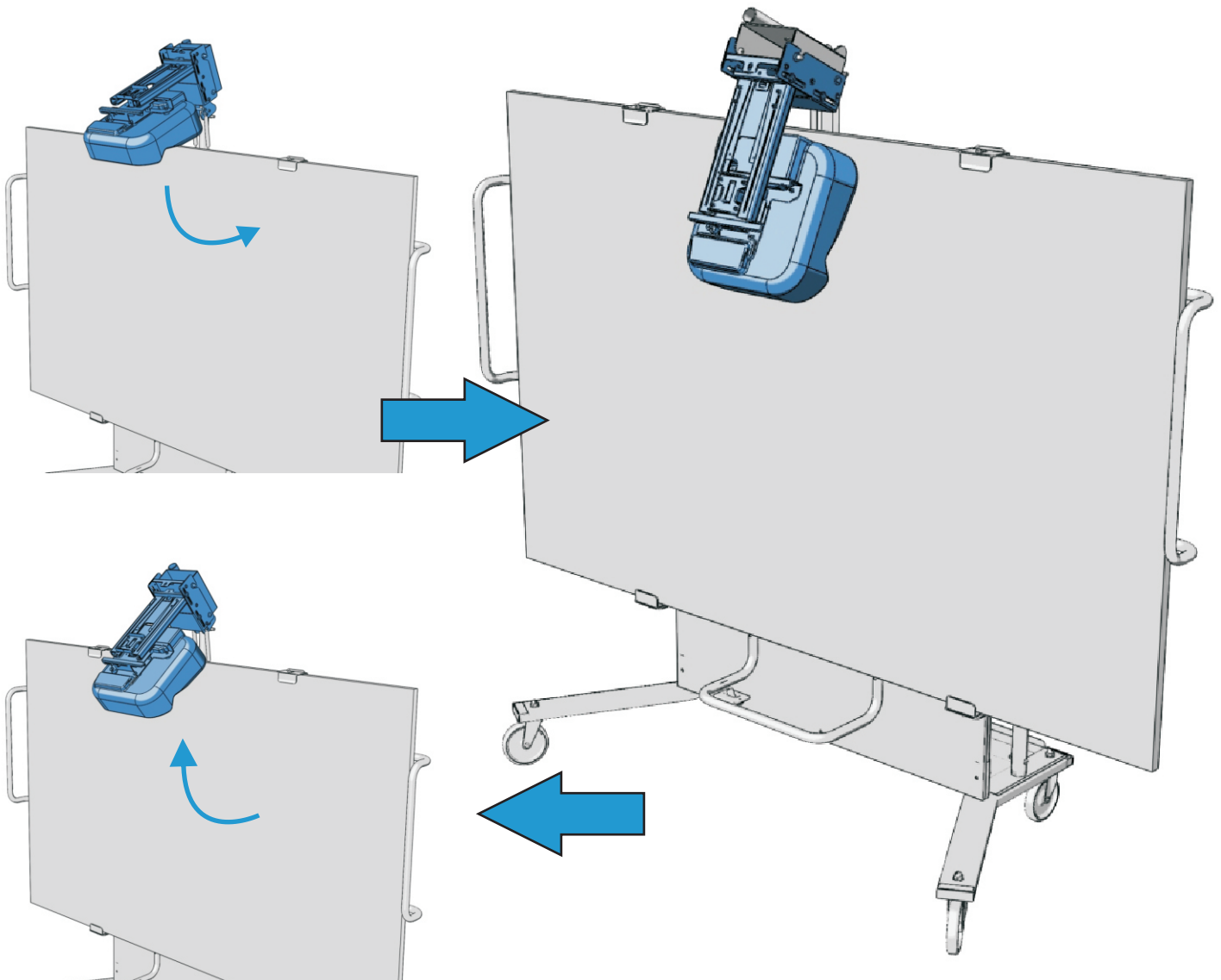


Folding the Projector Arm



WARNING

Gas cylinders are under pressure. To avoid property damage or bodily injury, please use caution when folding the arm.



25

Actual Size:



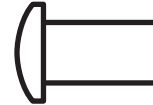
M6 x 40mm bolt
2x



M8 lock washer
4x

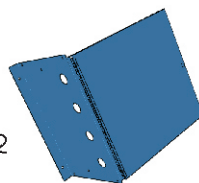


M6 barrel nut
4x



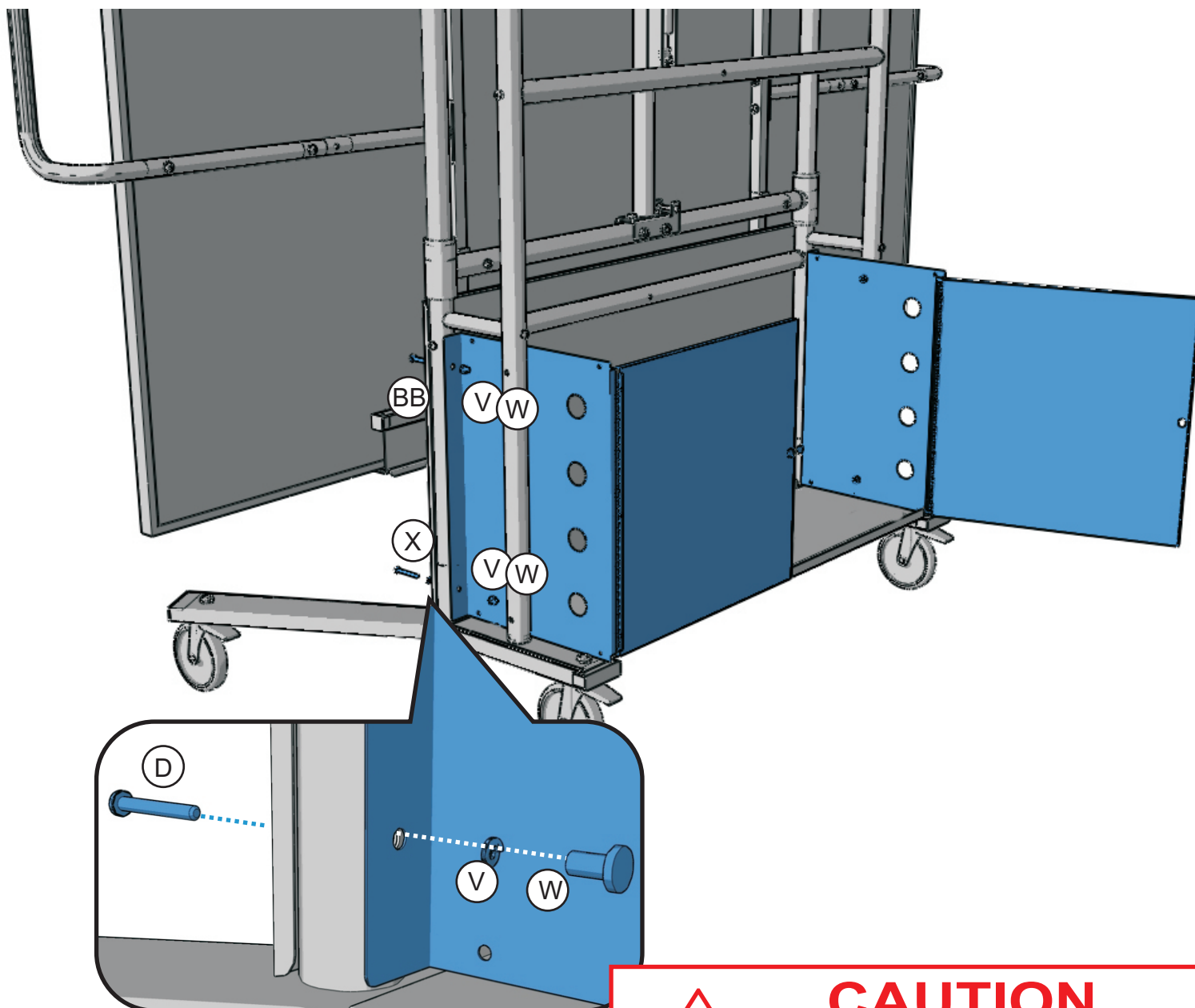
M6 x 35mm bolt
2x

You will need: (not to scale)



Lock box side with door x 2
1 left, 1 right

Install Optional Lock Box Sides



CAUTION

Maximum recommended weight in
lock box - 50 lbs.

26

Actual Size:

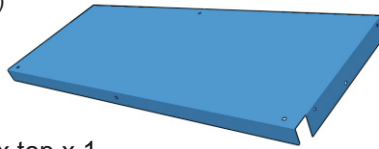
(B)

M6 x 50mm
bolt 3x

(P)

M6 keeps nut
3x

You will need: (not to scale)

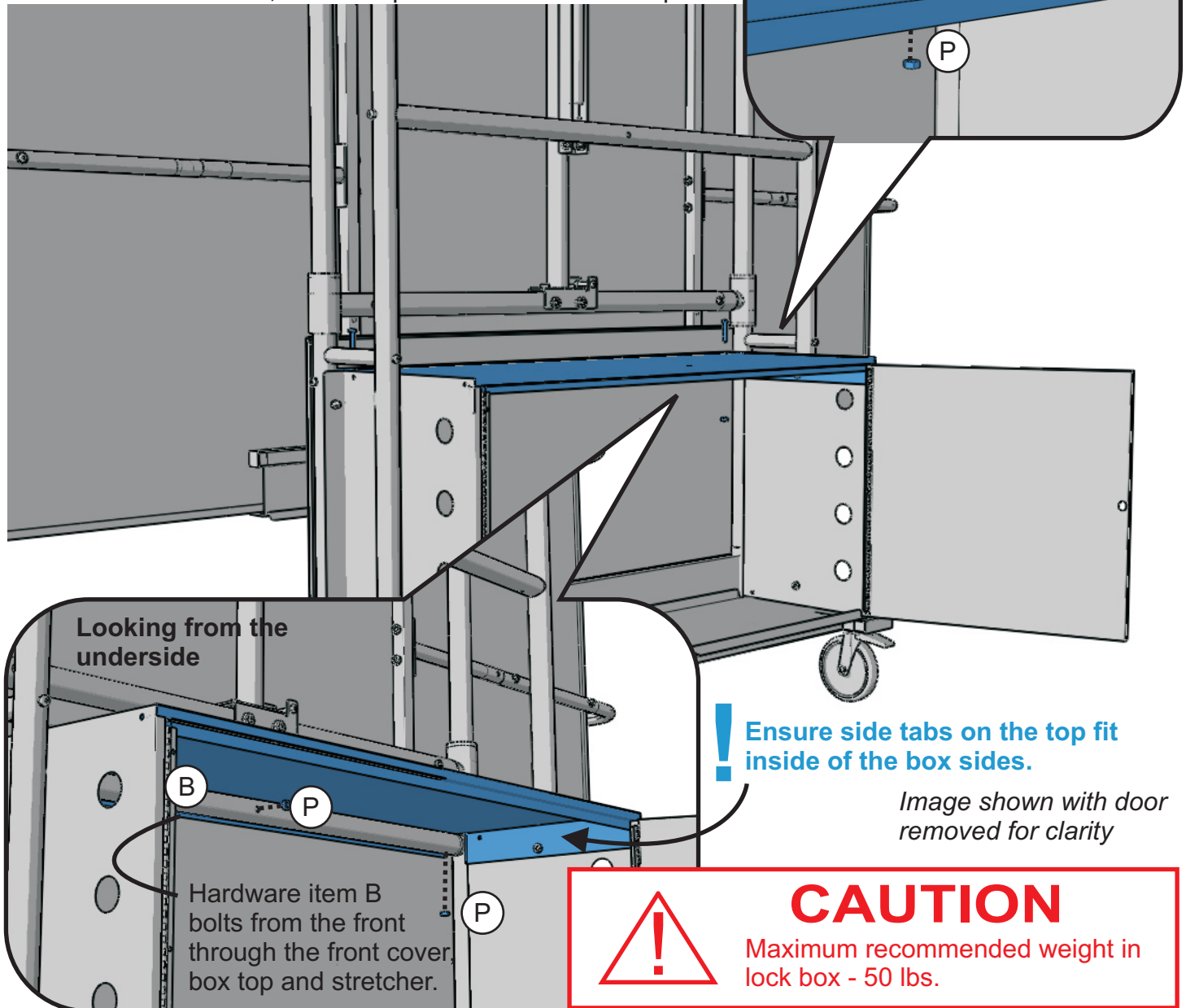


Lock box top x 1

Install Optional Lock Box Top

Position the lock box top around the support stretcher, with the sheet metal tab between the stretcher and the front cover. Side tabs on the top fit inside of the box sides

It is easiest to fit the edges towards the back (doors) of the unit between the doors first, and then push the front side into place.



27

Actual Size:

(B)

M6 x 50mm
bolt 4x



(P)

M6 keps
nut 4x



(Z)

M5 x 13mm bolt
4x



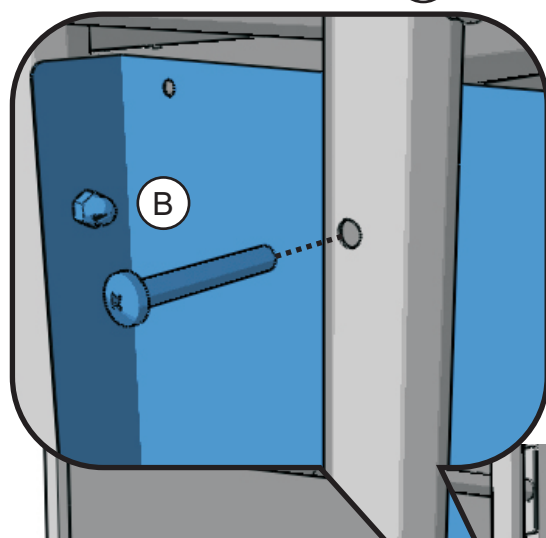
(AA)

M5 keps
nut 4x

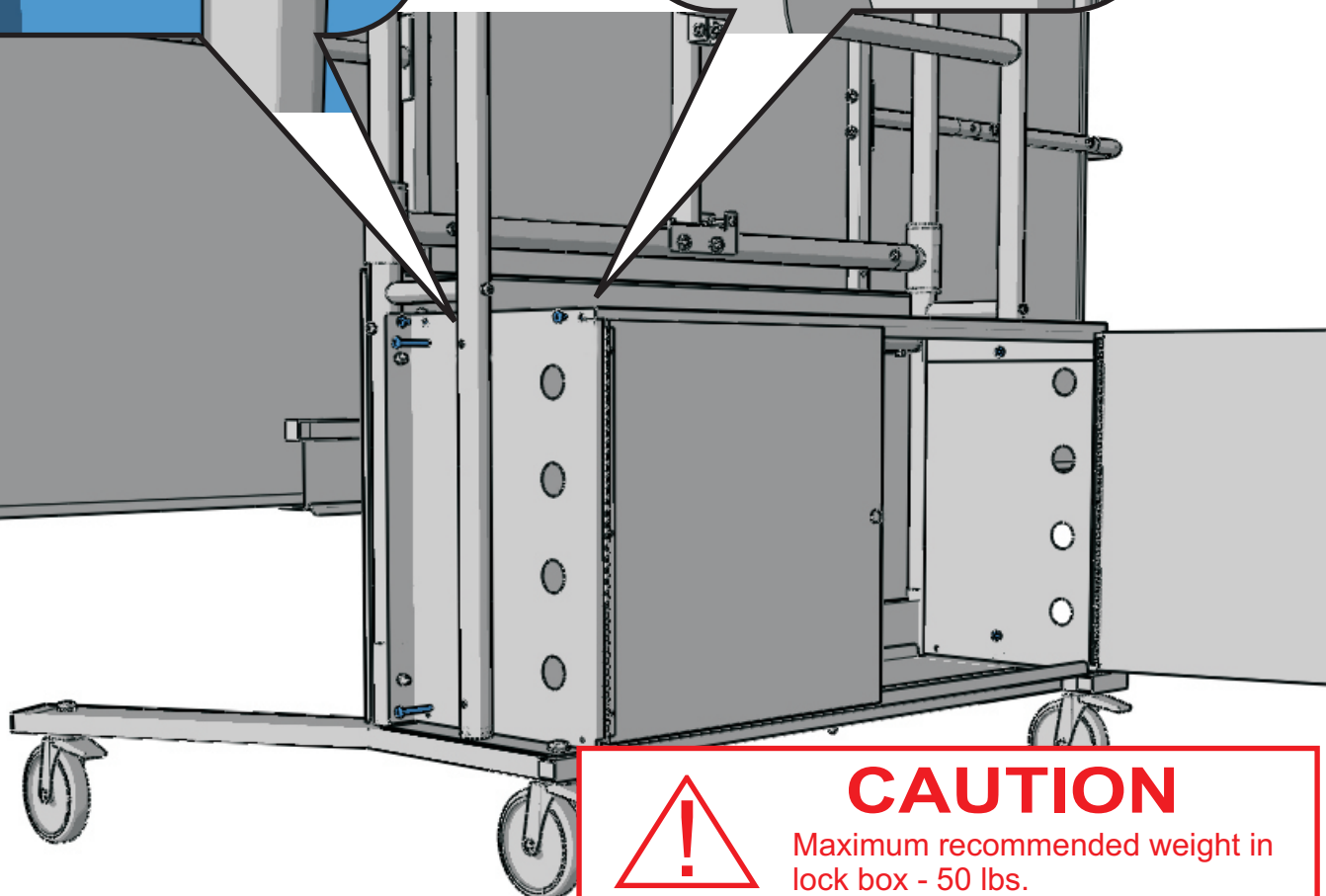
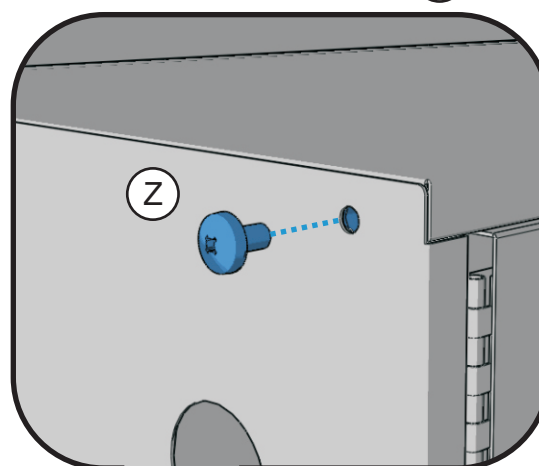


Secure Optional Lock Box Sides & Top

Secure on the inside
using hardware item (P)



Secure on the inside
using hardware item (AA)



CAUTION

Maximum recommended weight in
lock box - 50 lbs.

28

Actual Size:

(BB)

M6 x 35mm bolt
4x

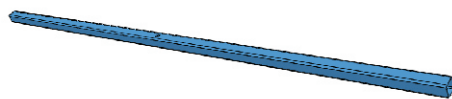


(N)

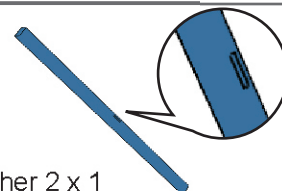
M6 lock washer
4x



You will need: (not to scale)



Lock box stretcher 1 x 1



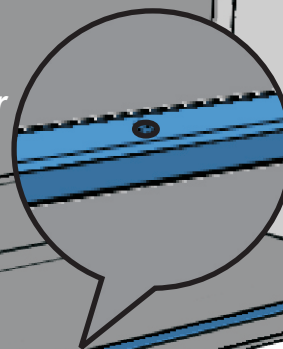
Lock box stretcher 2 x 1

Install Optional Lock Box Stretchers

1

Image shown with door removed for clarity

Ensure hole in stretcher is pointing upwards.



2

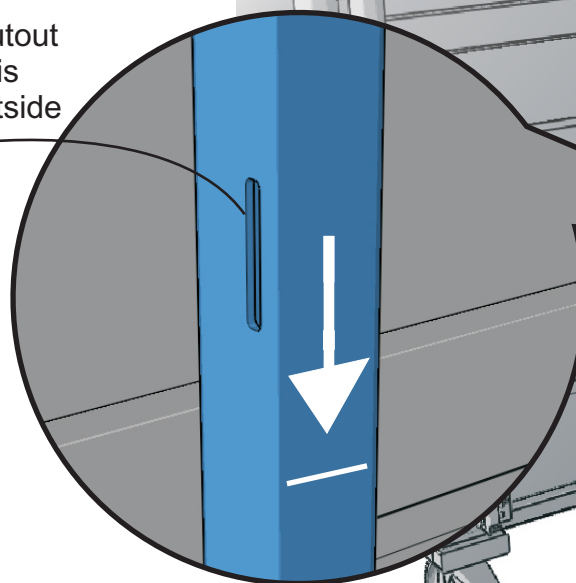


CAUTION

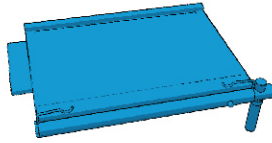
Maximum recommended weight in lock box - 50 lbs.

Ensure that the cutout detail for the lock is oriented to the outside of the lock box.

Ensure the arrow is pointing down.



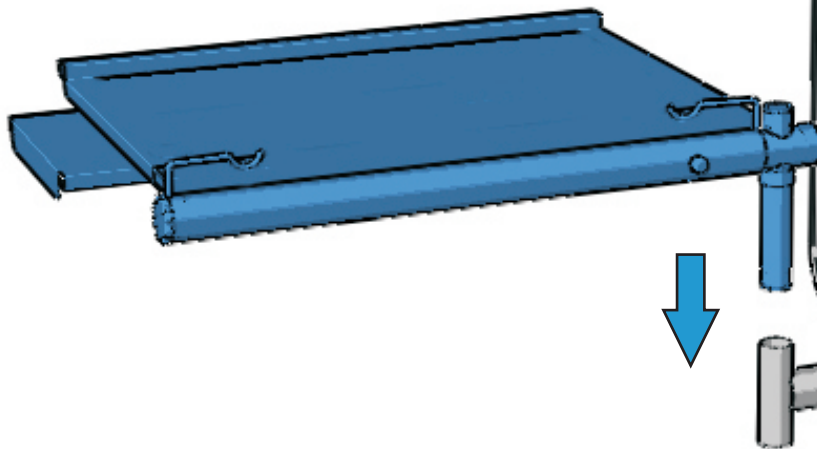
You will need: (not to scale)



Laptop tray x 1

Install Optional Side Laptop Tray

Slide laptop tray onto side laptop extension arm.



CAUTION

Maximum recommended weight
on side laptop tray - 20 lbs.

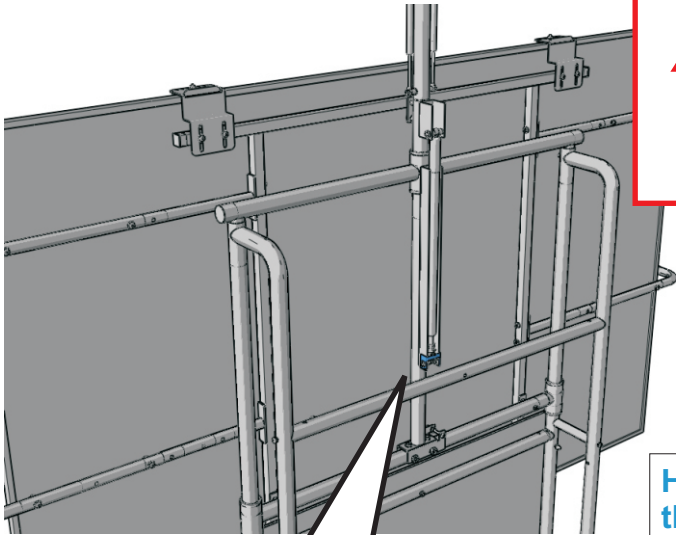
TIGHTEN ALL FASTENERS ON THE UNIT!

Install Release Cable



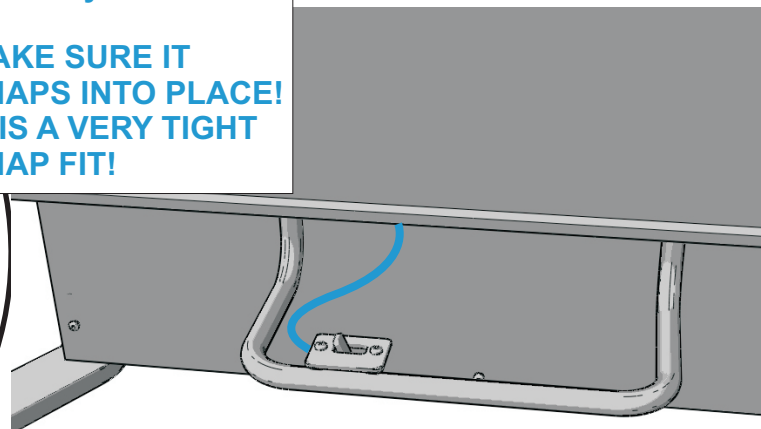
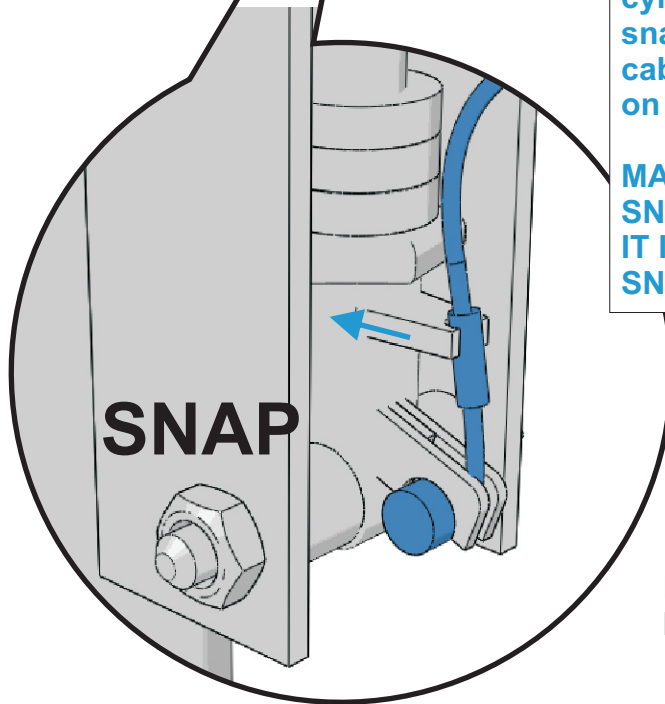
WARNING

Gas Cylinder is under pressure. To avoid property damage or bodily injury, please ensure unit is fully assembled before adjusting the height.



Hook the bottom of the cable into the catch on the cylinder, and then snap the body of cable into the fitting on the cylinder.

MAKE SURE IT SNAPS INTO PLACE! IT IS A VERY TIGHT SNAP FIT!



Release cable runs up behind the board from the front of the unit.

Front

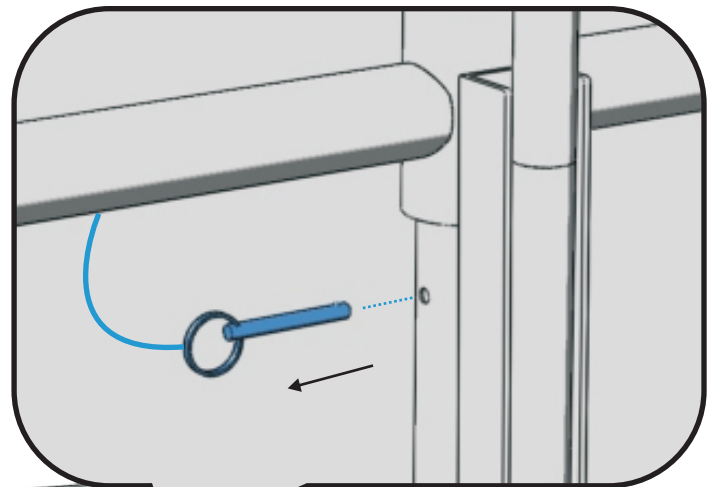
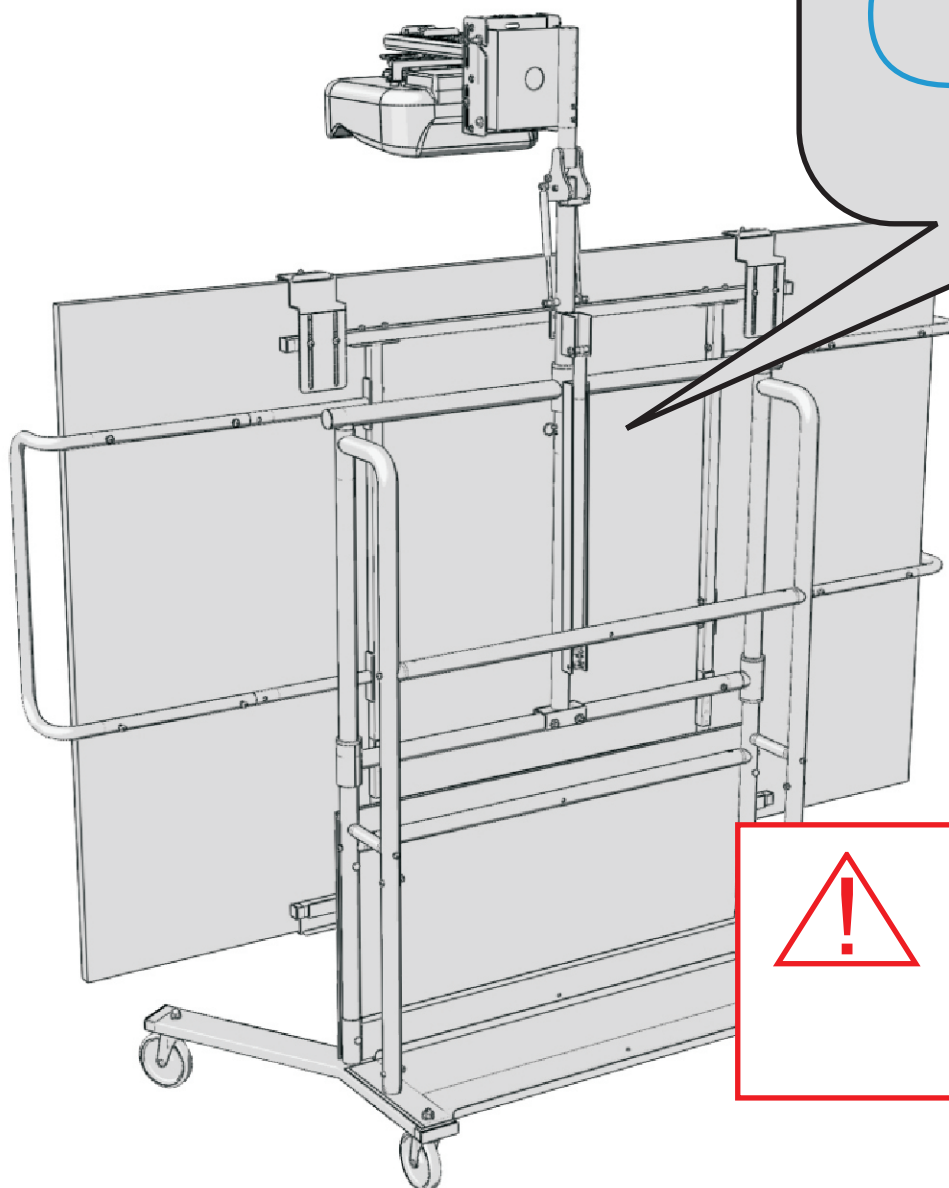
TIGHTEN ALL FASTENERS ON THE UNIT!

TIGHTEN ALL FASTENERS ON THE UNIT!

Release Height Stop Pin

To allow height adjustment of the unit, pull the detent pin out of the locator hole.

At any time, replace the pin in the hole to stop the unit from adjusting in height.



Pull pin out of hole.



WARNING

Gas Cylinder is under pressure. To avoid property damage or bodily injury, please ensure unit is fully assembled before adjusting the height.



Setting Up the Projector for Use

Please refer to the Epson installation guide included with your projector for details on setting up the projector and aligning the projector for use.



You will need: (not to scale)

Split black
wire loom
1x



Black one-wrap
Velcro® strap
12x



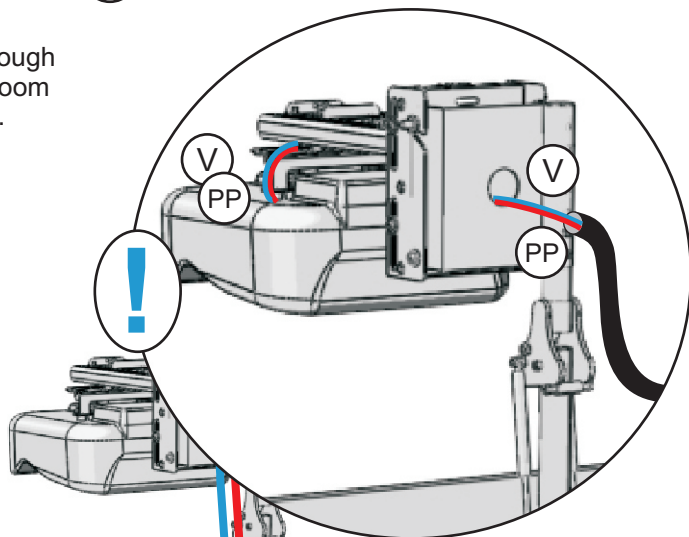
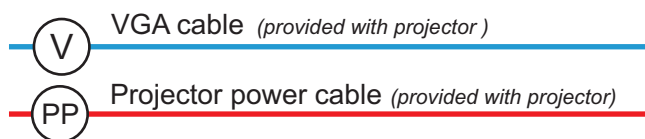
Routing Cables Through the Cart

VGA cable & power projector cord run through the projector setting plate. Plug both cords into the side of the projector - VGA cord plugs into 'Computer 1' source.

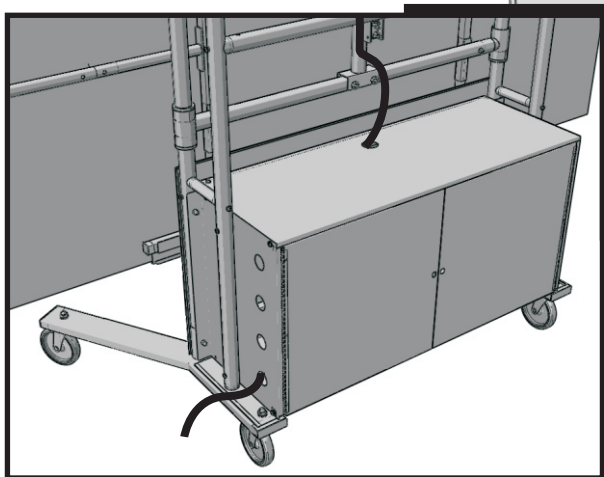
At the back of the projector setting plate, feed the two cables through the hole. Hold the cables together and wrap the split black wire loom around the cables, containing the length of them within the loom.

Following the diagram below, route the loom appropriately. Secure in multiple locations with Velcro® straps.

**Lift board to highest position
before securing any Velcro® straps**



Wiring through the
optional Lock Box:

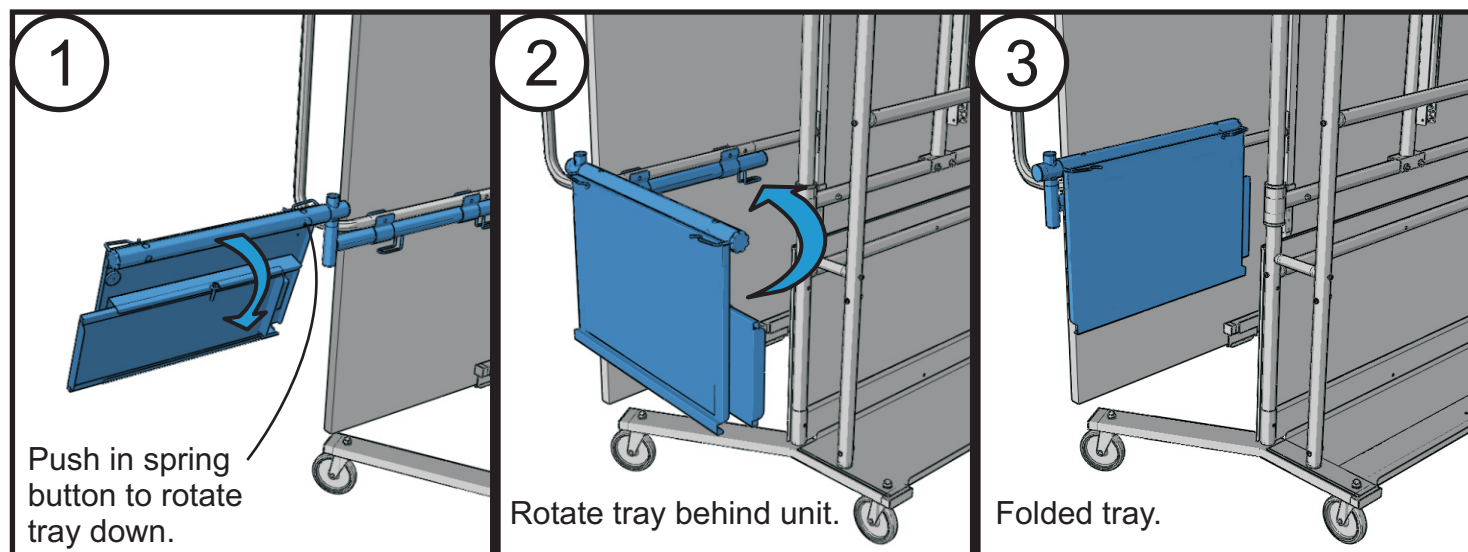




Tips for Use of the Side Laptop Arm

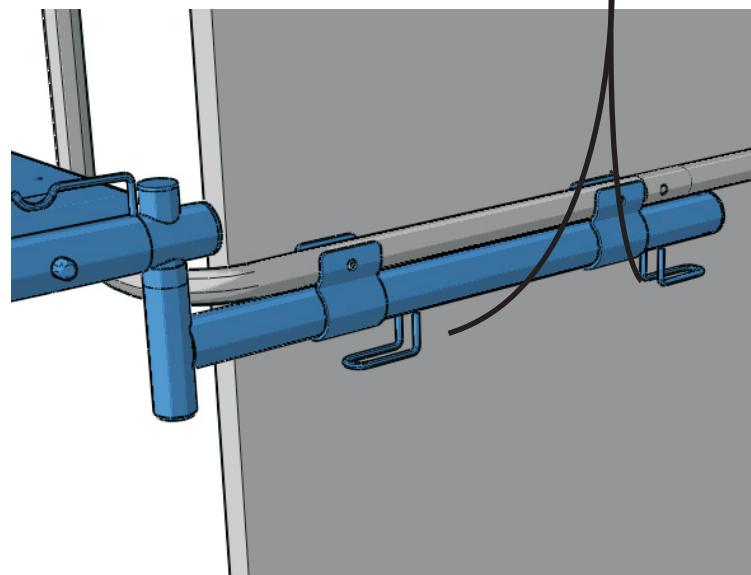
Folding the Arm Away:

Always fold the laptop arm away before moving the unit.



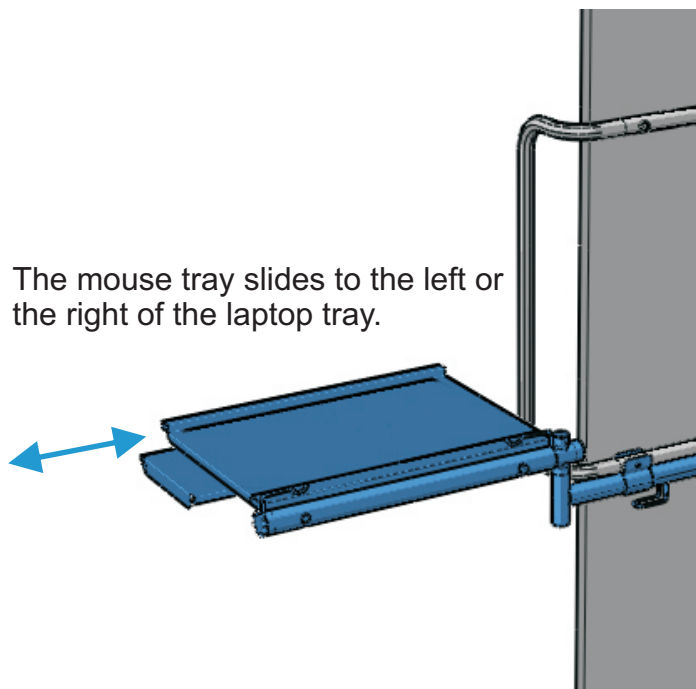
Routing Cables Along the Arm:

Use the wire hooks on the arm to wrap extra cabling around, keeping them neat & tidy.



Sliding Mouse Tray:

The mouse tray slides to the left or the right of the laptop tray.

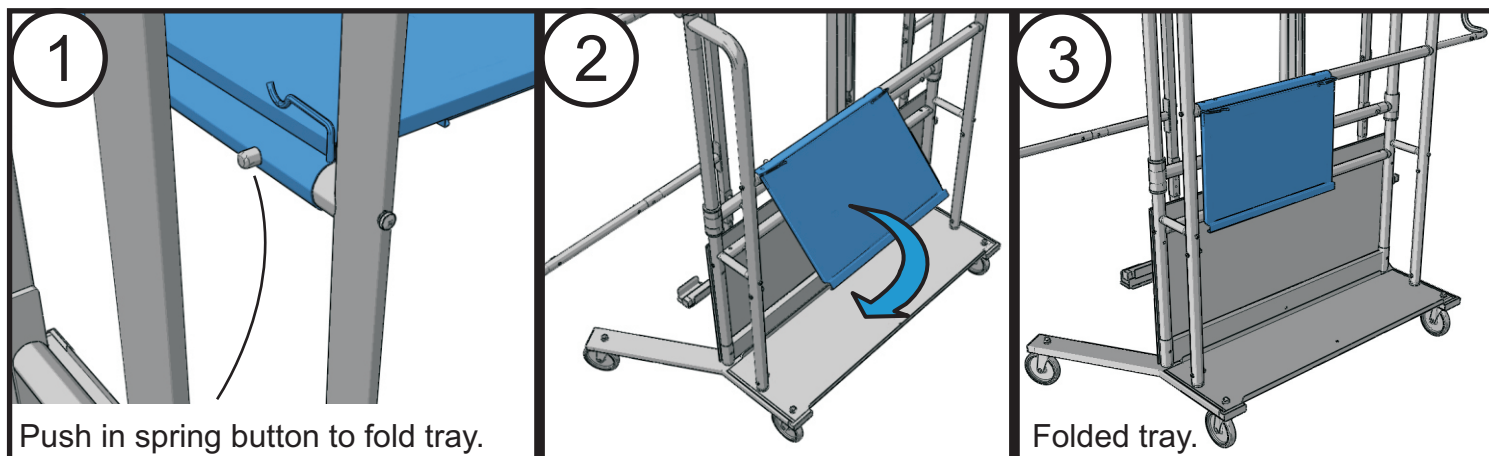




Tips for Use of the Rear Laptop Arm & Keyboard Tray

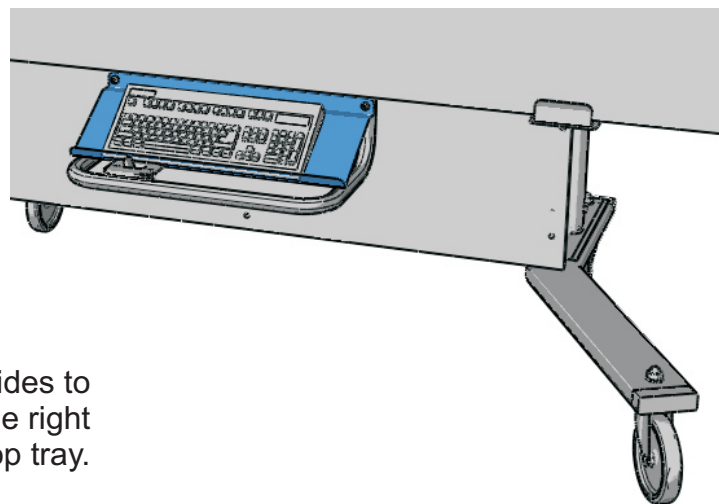
Folding the Tray Down:

Always fold the laptop tray down before moving the unit.

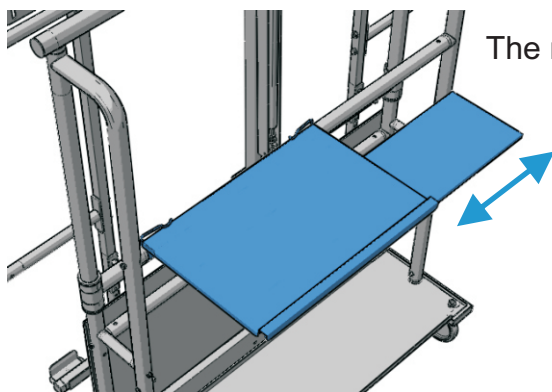


Keyboard Tray:

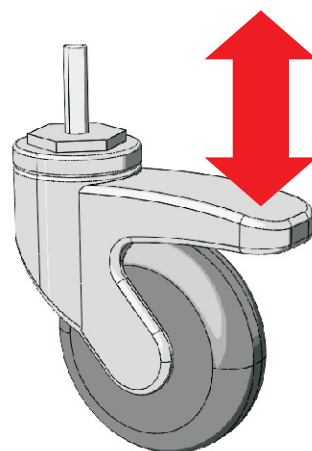
Use the tray on the front of the unit for a keyboard - no need to walk to the back of the unit!



Sliding Mouse Tray:



The mouse tray slides to the left or the right of the laptop tray.



Tip for Reducing Image Shaking:

Lock the FRONT casters and unlock the BACK casters to reduce the amount of image shaking.

Care & Maintenance



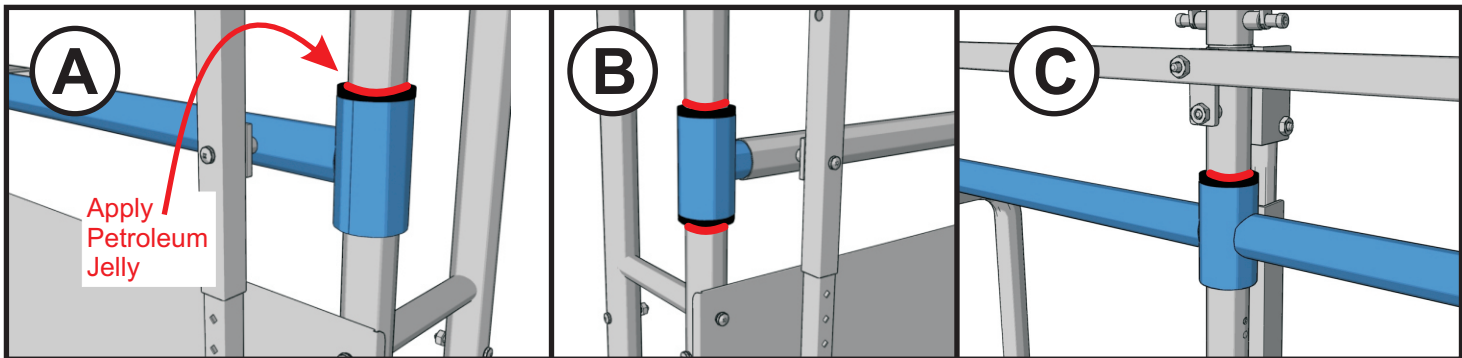
How to care for your Height Adjustable Mobile Cart

- The cart is made for indoor use only
- Cleaning: wipe with dry or damp cloth and use mild soap only if necessary.
- Verify that the gas lift is working properly: the lift is in good condition if you can raise the board to maximum height using a small amount of your own force to assist it, and lower it back down by applying a light pressure on the handle. Please call Copernicus if your gas lift needs maintenance.
- Perform bushing lubrication yearly. See instructions below.
- Lubricate Laptop Arm joints as needed. See instructions below.
- For care of the board and projector please refer to the manufacturer's instructions.



Bushing Lubrication Instructions

- 1) Lower the unit to its lowest position.
- 2) Apply a generous bead of Petroleum Jelly all around the top of each bushing, pressing some in the gap between the frame and bushing.
There are bushings on either side of the unit [A and B] and in the center [C].
- 3) Raise the board to its highest position.
- 4) Repeat the application of Petroleum Jelly on the bottom of the slide guide that has two bushings [B].
- 5) Lower the unit back down to lowest position.



Side Laptop Arm Lubrication Instructions

- 1) Remove arm by lifting it up vertically.
- 2) Apply Petroleum Jelly all around the connector.
- 3) Install arm back onto the connection.

